

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 09:24:53 ; Search time 7717 Seconds
(without alignments)
12162.347 Million cell updates/sec

Title: US-10-015-391A-276
Perfect score: 3143
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 27513289 seqs, 14931090276 residues

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : EST:*

- 1: em_estba:*
- 2: em_esthum:*
- 3: em_estin:*
- 4: em_estmu:*
- 5: em_estov:*
- 6: em_estpl:*
- 7: em_estro:*
- 8: em_htc:*
- 9: gb_est1:*
- 10: gb_est2:*
- 11: gb_htc:*
- 12: gb_est3:*
- 13: gb_est4:*
- 14: gb_est5:*
- 15: em_estfun:*
- 16: em_estom:*
- 17: em_gss_hum:*
- 18: em_gss_inv:*
- 19: em_gss_pln:*
- 20: em_gss_vrt:*
- 21: em_gss_fun:*
- 22: em_gss_mam:*
- 23: em_gss_mus:*
- 24: em_gss_pro:*
- 25: em_gss_rod:*
- 26: em_gss_phg:*
- 27: em_gss_vrl:*

28: gb_gss1:*
29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	% Query Match	Length	DB	ID	Description
	1	1874	59.6	2172	29	AY402621	AY402621 Homo sapi
	2	1765.4	56.2	2133	29	AY402622	AY402622 Pan trogl
	3	1747.4	55.6	3206	11	AK077976	AK077976 Mus muscu
	4	1701.4	54.1	3086	11	AK035918	AK035918 Mus muscu
	5	1372.2	43.7	2172	29	AY402623	AY402623 Mus muscu
c	6	950.6	30.2	1114	13	BX367242	BX367242 BX367242
c	7	927.8	29.5	1201	13	BX363741	BX363741 BX363741
c	8	874.4	27.8	922	13	BX350606	BX350606 BX350606
	9	856.6	27.3	926	13	BX328255	BX328255 BX328255
	10	849.2	27.0	1201	13	BX384966	BX384966 BX384966
	11	827.4	26.3	974	13	BQ057192	BQ057192 AGENCOURT
	12	822.2	26.2	960	13	BX390196	BX390196 BX390196
c	13	779.8	24.8	797	14	CB243787	CB243787 UI-CF-FN0
	14	775	24.7	801	13	BX112994	BX112994 BX112994
	15	769.8	24.5	912	13	BQ883972	BQ883972 AGENCOURT
	16	768	24.4	1201	13	BX376660	BX376660 BX376660
	17	757.6	24.1	892	14	CD107028	CD107028 AGENCOURT
	18	748.6	23.8	951	13	BQ056228	BQ056228 AGENCOURT
	19	696.6	22.2	775	9	AU122156	AU122156 AU122156
	20	691.2	22.0	970	13	BQ707628	BQ707628 AGENCOURT
	21	681	21.7	1066	12	BM806752	BM806752 AGENCOURT
	22	673	21.4	1090	13	BX367243	BX367243 BX367243
	23	661.8	21.1	666	12	BG684636	BG684636 602635914
	24	650	20.7	925	13	BQ937439	BQ937439 AGENCOURT
c	25	627.4	20.0	640	14	CA311774	CA311774 UI-CF-FN0
c	26	612	19.5	624	12	BM666780	BM666780 UI-E-CL1-
	27	609.8	19.4	1119	12	BI550650	BI550650 603195823
	28	598.6	19.0	621	10	AW965845	AW965845 EST377918
c	29	598.4	19.0	634	13	BU632880	BU632880 UI-H-FE1-
c	30	594	18.9	618	13	BU686374	BU686374 UI-CF-DU1
	31	585.2	18.6	881	13	BQ960065	BQ960065 AGENCOURT
	32	579.2	18.4	720	14	CA315771	CA315771 UI-M-FW0-
	33	557.8	17.7	796	13	BU052878	BU052878 UI-M-FC0-
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	35	552.4	17.6	779	12	BI683727	BI683727 603306287
	36	551.4	17.5	695	12	BG685741	BG685741 602637838
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	44	524.4	16.7	858	14	CK022938	CK022938 AGENCOURT
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ALIGNMENTS

RESULT 1
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 LOCUS AY402621 2172 bp DNA linear GSS 12-DEC-2003
 DEFINITION Homo sapiens HCM1285 gene, VIRTUAL TRANSCRIPT, partial sequence, genomic survey sequence.
 ACCESSION AY402621
 VERSION AY402621.1 GI:39758607
 KEYWORDS GSS.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 2172)
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.
 TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios
 JOURNAL Science 302 (5652), 1960-1963 (2003)
 PUBMED 14671302
 REFERENCE 2 (bases 1 to 2172)
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.
 TITLE Direct Submission
 JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA
 COMMENT This sequence was made by sequencing genomic exons and ordering them based on alignment.
 FEATURES
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 1. .2172
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
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 ORIGIN
 Query Match 59.6%; Score 1874; DB 29; Length 2172;
 Best Local Similarity 86.3%; Pred. No. 0;
 Matches 1874; Conservative 0; Mismatches 298; Indels 0; Gaps 0;
 Qy 105 ATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAA 164
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 Db 1 ATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAA 60
 Qy 165 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCC 224
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Qy	225	AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC	284
Db	121	AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC	180
Qy	285	CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT	344
Db	181	CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT	240
Qy	345	CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATG	404
Db	241	CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATG	300
Qy	405	ATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAAT	464
Db	301	ATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAAT	360
Qy	465	GAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTAC	524
Db	361	GAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTAC	420
Qy	525	ACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTAC	584
Db	421	ACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTAC	480
Qy	585	CTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCC	644
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Qy	645	GCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAAC	704
Db	541	GCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAAC	600
Qy	705	TTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACC	764
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Qy	825	CAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTC	884
Db	721	NN	780
Qy	885	CACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAG	944
Db	781	NN	840
Qy	945	AAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCC	1004
Db	841	NN	900
Qy	1005	TTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATC	1064
Db	901	NN	960
Qy	1065	TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124

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Db	1021	TTCTCTCTCTTGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1080
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Qy	1245	GTGGGCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAG	1304
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Qy	1485	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCCAGGGTGCA	1544
Db	1381	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCCAGGGTGCA	1440
Qy	1545	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGTTGCCCCGAGCCA ACTGTAGTGTCTAT	1604
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Qy	1605	GAGAGCTGTGTGGACTGTGTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1664
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Qy	1725	GGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGC	1784
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Qy	1845	CCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA	1904
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RESULT 2

AY402622

LOCUS AY402622 2133 bp DNA linear GSS 12-DEC-2003

DEFINITION Pan troglodytes HCM1285 gene, VIRTUAL TRANSCRIPT, partial sequence, genomic survey sequence.

ACCESSION AY402622

VERSION AY402622.1 GI:39758608

KEYWORDS GSS.

SOURCE Pan troglodytes (chimpanzee)

ORGANISM Pan troglodytes

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.

REFERENCE 1 (bases 1 to 2133)

AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.

TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios

JOURNAL Science 302 (5652), 1960-1963 (2003)

PUBMED 14671302

REFERENCE 2 (bases 1 to 2133)

AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.

TITLE Direct Submission

JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA

COMMENT This sequence was made by sequencing genomic exons and ordering

them based on alignment.

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Best Local Similarity 82.9%; Pred. No. 0;
Matches 1769; Conservative 0; Mismatches 364; Indels 0; Gaps 0;

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Qy      465 GAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTAC 524
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Db	661		720
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Db	721	NN	780
Qy	885	CACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAG	944
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Qy	945	AAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCC	1004
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Db	901	NN	960
Qy	1065	TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124
Db	961		1020
Qy	1125	TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1184
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Qy	1185	ACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCA	1244
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Qy	1425	GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1484
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 Qy 2085 GTGAAGGTCCCGTTGACCAGGGTTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTTAC 2144
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 Db 2041 TGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATC 2100
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 Db 2101 ATCCTCNTGGCCTCCCCANNGAGAGCACTCCGG 2133

RESULT 3

AK077976

LOCUS AK077976 3206 bp mRNA linear HTC 18-SEP-2003

DEFINITION Mus musculus 13 days embryo male testis cDNA, RIKEN full-length enriched library, clone:6030492A12 product:sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, full insert sequence.

ACCESSION AK077976

VERSION AK077976.1 GI:26097602

KEYWORDS HTC; CAP trapper.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

- Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
- REFERENCE 1
AUTHORS Carninci, P. and Hayashizaki, Y.
TITLE High-efficiency full-length cDNA cloning
JOURNAL Meth. Enzymol. 303, 19-44 (1999)
MEDLINE 99279253
PUBMED 10349636
- REFERENCE 2
AUTHORS Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh, M., Konno, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
TITLE Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes
JOURNAL Genome Res. 10 (10), 1617-1630 (2000)
MEDLINE 20499374
PUBMED 11042159
- REFERENCE 3
AUTHORS Shibata, K., Itoh, M., Aizawa, K., Nagaoka, S., Sasaki, N., Carninci, P., Konno, H., Akiyama, J., Nishi, K., Kitsunai, T., Tashiro, H., Itoh, M., Sumi, N., Ishii, Y., Nakamura, S., Hazama, M., Nishine, T., Harada, A., Yamamoto, R., Matsumoto, H., Sakaguchi, S., Ikegami, T., Kashiwagi, K., Fujiwake, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsuura, S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashizaki, Y.
TITLE RIKEN integrated sequence analysis (RISA) system--384-format sequencing pipeline with 384 multicapillary sequencer
JOURNAL Genome Res. 10 (11), 1757-1771 (2000)
MEDLINE 20530913
PUBMED 11076861
- REFERENCE 4
AUTHORS The RIKEN Genome Exploration Research Group Phase II Team and the FANTOM Consortium.
TITLE Functional annotation of a full-length mouse cDNA collection
JOURNAL Nature 409, 685-690 (2001)
- REFERENCE 5
AUTHORS The FANTOM Consortium and the RIKEN Genome Exploration Research Group Phase I & II Team.
TITLE Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs
JOURNAL Nature 420, 563-573 (2002)
- REFERENCE 6 (bases 1 to 3206)
AUTHORS Adachi, J., Aizawa, K., Akimura, T., Arakawa, T., Bono, H., Carninci, P., Fukuda, S., Furuno, M., Hanagaki, T., Hara, A., Hashizume, W., Hayashida, K., Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Hori, F., Imotani, K., Ishii, Y., Itoh, M., Kagawa, I., Kasukawa, T., Katoh, H., Kawai, J., Kojima, Y., Kondo, S., Konno, H., Kouda, M., Koya, S., Kurihara, C., Matsuyama, T., Miyazaki, A., Murata, M., Nakamura, M., Nishi, K., Nomura, K., Numazaki, R., Ohno, M., Ohsato, N., Okazaki, Y., Saito, R., Saitoh, H., Sakai, C., Sakai, K., Sakazume, N., Sano, H., Sasaki, D., Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Tagami, M., Tagawa, A., Takahashi, F., Takaku-Akahira, S., Takeda, Y., Tanaka, T., Tomaru, A., Toya, T., Yasunishi, A., Muramatsu, M. and Hayashizaki, Y.
TITLE Direct Submission
JOURNAL Submitted (16-APR-2002) Yoshihide Hayashizaki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC),

RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp, URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222, Fax:81-45-503-9216)

COMMENT cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken contributed to prepare mouse tissues. Please visit our web site for further details. URL:http://genome.gsc.riken.go.jp/ URL:http://fantom.gsc.riken.go.jp/.

FEATURES Location/Qualifiers
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/note="putative"
polyA_site 3206
/note="putative"

ORIGIN

Query Match 55.6%; Score 1747.4; DB 11; Length 3206;
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Matches 2355; Conservative 0; Mismatches 621; Indels 95; Gaps 14;

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Db	1991	CTGGAGTCATGGCCGAGCCAAAATCTCAGAAGCCTCTGCTACCGTCTACAATGGCTCCCT	2050
Qy	1934	CTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCACTGCTGGGCAACTGAGAATGG	1993
Db	2051	CTTGCTGCTGCCGCAGGATGGTGTGCGAGGCCTCTACCACTGTGTGGCGACTGAGAACGG	2110
Qy	1994	CTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGA	2053

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Db	2171	CCCTGAGCTGGCGGGCGTTCCCCGTGAGCGTGTGCAGGTCCCGTGACCAGGGTCGGAGG	2230
Qy	2114	TGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCACTGTCACTGTCCT	2173
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RESULT 4

AK035918

LOCUS AK035918 3086 bp mRNA linear HTC 19-SEP-2003

DEFINITION Mus musculus 16 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:9630018D15 product:sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, full insert sequence.

ACCESSION AK035918

VERSION AK035918.1 GI:26084904

KEYWORDS HTC; CAP trapper.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1

AUTHORS Carninci,P. and Hayashizaki,Y.

TITLE High-efficiency full-length cDNA cloning

JOURNAL Meth. Enzymol. 303, 19-44 (1999)

MEDLINE 99279253

PUBMED 10349636

REFERENCE 2

AUTHORS Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.

TITLE Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes

JOURNAL Genome Res. 10 (10), 1617-1630 (2000)

MEDLINE 20499374

PUBMED 11042159

REFERENCE 3

AUTHORS Shibata,K., Itoh,M., Aizawa,K., Nagaoka,S., Sasaki,N., Carninci,P., Konno,H., Akiyama,J., Nishi,K., Kitsunai,T., Tashiro,H., Itoh,M., Sumi,N., Ishii,Y., Nakamura,S., Hazama,M., Nishine,T., Harada,A., Yamamoto,R., Matsumoto,H., Sakaguchi,S., Ikegami,T., Kashiwagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J.,

Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.

TITLE RIKEN integrated sequence analysis (RISA) system--384-format
sequencing pipeline with 384 multicapillary sequencer

JOURNAL Genome Res. 10 (11), 1757-1771 (2000)

MEDLINE 20530913

PUBMED 11076861

REFERENCE 4

AUTHORS The RIKEN Genome Exploration Research Group Phase II Team and the
FANTOM Consortium.

TITLE Functional annotation of a full-length mouse cDNA collection

JOURNAL Nature 409, 685-690 (2001)

REFERENCE 5

AUTHORS The FANTOM Consortium and the RIKEN Genome Exploration Research
Group Phase I & II Team.

TITLE Analysis of the mouse transcriptome based on functional annotation
of 60,770 full-length cDNAs

JOURNAL Nature 420, 563-573 (2002)

REFERENCE 6 (bases 1 to 3086)

AUTHORS Adachi,J., Aizawa,K., Akimura,T., Arakawa,T., Bono,H., Carninci,P.,
Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hashizume,W.,
Hayashida,K., Hayatsu,N., Hiramoto,K., Hiraoka,T., Hirozane,T.,
Hori,F., Imotani,K., Ishii,Y., Itoh,M., Kagawa,I., Kasukawa,T.,
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Okazaki,Y., Saito,R., Saitoh,H., Sakai,C., Sakai,K., Sakazume,N.,
Sano,H., Sasaki,D., Shibata,K., Shinagawa,A., Shiraki,T.,
Sogabe,Y., Tagami,M., Tagawa,A., Takahashi,F., Takaku-Akahira,S.,
Takeda,Y., Tanaka,T., Tomaru,A., Toya,T., Yasunishi,A.,
Muramatsu,M. and Hayashizaki,Y.

TITLE Direct Submission

JOURNAL Submitted (16-JUL-2001) Yoshihide Hayashizaki, The Institute of
Physical and Chemical Research (RIKEN), Laboratory for Genome
Exploration Research Group, RIKEN Genomic Sciences Center (GSC),
RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,
Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp,
URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222,
Fax:81-45-503-9216)

COMMENT cDNA library was prepared and sequenced in Mouse Genome
Encyclopedia Project of Genome Exploration Research Group in Riken
Genomic Sciences Center and Genome Science Laboratory in RIKEN.
Division of Experimental Animal Research in Riken contributed to
prepare mouse tissues.
Please visit our web site for further details.
URL:http://genome.gsc.riken.go.jp/
URL:http://fantom.gsc.riken.go.jp/.

FEATURES Location/Qualifiers

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ORIGIN

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Qy     170 TCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGT 229
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Qy	903	AGAGTCTGCAAGAATGACGTGGGCGGGCAAAAGCTGCTGCAGAAGAAGTGGACCACCTTC	962
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Qy	963	CTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCAC	1022
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Qy	1023	GCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCTCC	1082
Db	1024	GCGGTCCTGCTGCCCGCCGATTCTCCCTCTGTTTCCCGCATCTACGCAGTCTTTACCTCC	1083
Qy	1083	CAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACATT	1142
Db	1084	CAGTGGCAGGTTGGCGGGACCAGGAGCTCAGCAGTCTGTGCCTTCTCTCTCACGGACATT	1143
Qy	1143	GAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACT	1202
Db	1144	GAGCGAGTCTTTAAAGGGAAGTACAAGGAGCTGAACAAGGAGACCTCCCGCTGGACCACT	1203
Qy	1203	TATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGAT	1262
Db	1204	TACCGGGGCTCAGAGGTCAGCCCGAGGCCAGGCAGTTGCTCCATGGGCCCCCTCCTCTGAC	1263
Qy	1263	AAGGCCCTGACCTTCATGAAGGACCATTTCTTGATGGATGAGCAAGTGGTGGGGACGCCC	1322
Db	1264	AAAGCCTTGACCTTCATGAAGGACCATTTCTTGATGGATGAGCACGTGGTAGGAACACCC	1323
Qy	1323	CTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCCAGGGCCTT	1382
Db	1324	CTGCTGGTGAAGTCTGGTGTGGAGTACACACGGCTTGCTGTGGAGTCAGCTCGGGGCCTT	1383
Qy	1383	GATGGGCACAGCCATCTTGTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCT	1442
Db	1384	GATGGGAGCAGCCATGTGGTCATGTATCTGGGTACCTCCACGGGGTCCCTGCACAAGGCT	1443
Qy	1443	GTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACCCT	1502

Db	1444		GTGGTGCCTCAGGACAGCAGTGCTTATCTCGTGGAGGAGATTGAGCTGAGCCCTGACTCT	1503
Qy	1503		GAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCTCA	1562
Db	1504		GAGCCTGTTTCGAAACCTGCAGCTGGCCCCCGCCAGGGTGCAGTGTTTGCAGGCTTCTCT	1563
Qy	1563		GGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGT	1622
Db	1564		GGAGGCATCTGGAGAGTTCCCAGGGCCAATTGCAGTGTCTACGAGAGCTGTGTGGACTGT	1623
Qy	1623		GTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTG	1682
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Db	1801		GAAGTCCTGACAGTCCCCAACTCCATCCTGGAGCTGCCCTGCCCCACCTGTCAGCACTG	1860
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Qy	1983		ACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACC	2042
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Qy	2043		CTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGACC	2102
Db	2041		CTGGCGCTGGACCCTGAGCTGGCGGGCGTTCCCCGTGAGCGTGTGCAGGTCCCGCTGACC	2100
Qy	2103		AGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCACT	2162
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Qy	2163		GTCAGTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCA	2222
Db	2161		GTTACCGTCTCTCTGGCCATCGTGCTCCTGGGAGTGCTCACTCTCCTCCTCGCTTCCCCA	2220
Qy	2223		TTGAGAGCACTCCGGGCTCGGGGCAAGGTTGAGGCTGTGAGACCCTGCGCCCTGGGGAG	2282
Db	2221		CTGGGGGCGCTGCGGGCTCGGGGTAAGGTTGAGGCTGTGGGATGCTGCCCCCAGGGAA	2280
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RESULT 5
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 DEFINITION Mus musculus HCM1285 gene, VIRTUAL TRANSCRIPT, partial sequence,
 genomic survey sequence.
 ACCESSION AY402623
 VERSION AY402623.1 GI:39758609
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 2172)
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A.,
 Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B.,
 Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J.,
 Adams,M.D. and Cargill,M.
 TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous
 gene trios
 JOURNAL Science 302 (5652), 1960-1963 (2003)
 PUBMED 14671302
 REFERENCE 2 (bases 1 to 2172)
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A.,
 Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B.,
 Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J.,
 Adams,M.D. and Cargill,M.
 TITLE Direct Submission
 JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive,
 Rockville, MD 20850, USA
 COMMENT This sequence was made by sequencing genomic exons and ordering
 them based on alignment.
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 ORIGIN

Query Match 43.7%; Score 1372.2; DB 29; Length 2172;
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 Db 1 ATGGCCCTACCATCCCTGGGCCAGGACTCATGGAGTCTCCTGCGTGTTCCTTTTCTTCCAA 60
 Qy 165 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCC 224
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Qy	285	CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT	344
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Qy	405	ATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAAT	464
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Qy	465	GAGACACAGTGTTTCAACTTCATCCGTGTCTTGGTTTCTTACAATGTCACCCATCTCTAC	524
Db	361	GAGACACAGTGTTTCAACTTCATTGAGTCTTGGTCTCTTACAATGCTACTCACCTCTAT	420
Qy	525	ACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTAC	584
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Qy	585	CTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCC	644
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Qy	645	GCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAAC	704
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Qy	765	GACAACTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACC	824
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Qy	1065	TACGCAGTCTTCACCTCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124
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Qy	1245	GTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAG	1304
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Qy	1365	GAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACA	1424
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Qy	1545	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTAT	1604
Db	1441	GTGTTTGCAGGCTTCTCTGGAGGCATCTGGAGAGTTCACAGGGCCAATTGCAGTGTCTAC	1500
Qy	1605	GAGAGCTGTGTGGACTGTGTCCCTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1664
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Qy	1665	CGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGG	1724
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Qy	1785	CGCCCGCAAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCCTGC	1844
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Qy	1845	CCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA	1904
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Qy	1905	GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT	1964
Db	1801	GCCTCTGCTACCGTCTACAATGGCTCCCTCTTGCTGCTGCCGAGGATGGTGTGCGGGGC	1860
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LOCUS       BX367242                1114 bp      mRNA      linear      EST 08-MAY-2003
DEFINITION  BX367242 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
            Homo sapiens cDNA clone CS0DL002YO04 3-PRIME, mRNA sequence.
ACCESSION   BX367242
VERSION     BX367242.1   GI:30455608
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1 (bases 1 to 1114)
  AUTHORS   Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
  TITLE     Full-length cDNA libraries and normalization
  JOURNAL   Unpublished (2001)
COMMENT     Contact: Genoscope
            Genoscope - Centre National de Sequencage
            BP 191 91006 EVRY cedex - France
            Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
            Library was constructed by Life Technologies, a division of
            Invitrogen. This sequence belongs to sequence cluster 907.f For
            more information about this cluster, see
            http://www.genoscope.cns.fr/
            cgi-bin/cluster.cgi?seq=CS0AL002BH02NP1&cluster=907.f. Contact :
            Feng Liang Email : fliang@lifetech.com URL :
            http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
            Faraday Avenue Genoscope sequence ID : CS0AL002BH02NP1.

FEATURES             Location/Qualifiers
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ORIGIN

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Query Match          30.2%;  Score 950.6;  DB 13;  Length 1114;
Best Local Similarity 94.8%;  Pred. No. 1.7e-220;
Matches 996;  Conservative 24;  Mismatches 27;  Indels 4;  Gaps 4;

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Qy      2192 AGGAGCCCTCATCATCTCTCGTGGCCTCCCC-ATTGAGAGCACTCCGGGCTCGGGGCAAGG 2250
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Db      937 AGGAGCCCTCATCATCTCTCGTGGCCTCCCCAATTGAGAGMACTCCGGGCTCGGCGCAAGG 878

Qy      2251 TTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACC 2310
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Db 457 CCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGAGACCCTAAA 398

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Db 277 TCTCCCAGGGTCATGMAGGGATCTGCTCCCTCCTGCTTCCCTTACMAGTCGTGMACAGCT 218

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Db 217 AACTCCCAGGAAGTCTTCCCTGAAGTCTGACCACCTTTCNTCTAGCTTAAGTTGGRGAAA 158

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BX363741/c

LOCUS BX363741 1201 bp mRNA linear EST 05-MAY-2003

DEFINITION BX363741 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
 Homo sapiens cDNA clone CS0DL005YC17 3-PRIME, mRNA sequence.

ACCESSION BX363741

VERSION BX363741.1 GI:30384744

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1201)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of
 Invitrogen. This sequence belongs to sequence cluster 907.f For
 more information about this cluster, see

[http://www.genoscope.cns.fr/](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DL005AB09NP1&cluster=907.f)

[cgi-bin/cluster.cgi?seq=CS0DL005AB09NP1&cluster=907.f](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DL005AB09NP1&cluster=907.f). Contact :

Feng Liang Email : fliang@lifetech.com URL :

<http://fulllength.invitrogen.com/> InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DL005AB09NP1.

Location/Qualifiers

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/organism="Homo sapiens"
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/db xref="taxon:9606"
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/cell type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
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/clone lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
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/note="1st strand cDNA was primed with a NotI-oligo(dT)

digested with Not I and cloned into the Not I and EcoR V

ORIGIN

29.5%; Score 927.8; DB 13; Length 1201;

Matches 1001; Conservative 16; Mismatches 24; Indels 8; Gaps 6;

QY 2058 GAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGG 2117
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QY 2118 GCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTT 2177
| || : ||||| : : || ||| |||||

Qy 2178 GCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGG 2237
|||||

Qy 2238 GCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCGTTAAGC 2297

Qy 2298 AGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCT 2357

Qy 2358 GACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGT 2417

Qy 2418 GCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCA 2477

QY 2478 GCACAAAAGACCACCTTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC 2537

QY 2538 ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCCTTCTACCAAGCAC 2597

Qy 2598 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGA 2657
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 Db 509 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGA 450
 Qy 2658 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 2717
 |||
 Db 449 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 390
 Qy 2718 AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 2777
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 Db 389 AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 330
 Qy 2778 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 2837
 |||
 Db 329 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 270
 Qy 2838 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 2897
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 Db 269 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 210
 Qy 2898 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTTCTTCTTGCT 2957
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 Db 209 GTCGTGCACCGCTGACTYCCAGGAAGTCTTCCCTGAAKTCTGACCACCTTTCTTCTTGCT 150
 Qy 2958 TCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG-CAGGGGTAATCTGAGC 3016
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 Db 149 TCAGTTGGGGCAGAYTYTGATCCCTTCTGCCCTGGYAGAATGGTCAGGGGTAATCTGAGC 90
 Qy 3017 CTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCTTTGTT 3076
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 Db 89 CTTCTTCACTCCTTTACCCTAGCTGACCCCTTCMCCTCTCCCBTSSCTTTTCTTTGTT 30
 Qy 3077 TTGGGATTCAGAAAACCTGCTTGTCTCAGAGA 3105
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 Db 29 TTGGGATTCAGAAAACCTGCTTGTCTCAGAKA 1

RESULT 8

BX350606/c

LOCUS BX350606 922 bp mRNA linear EST 05-MAY-2003

DEFINITION BX350606 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
 Homo sapiens cDNA clone CS0DL005YC17 3-PRIME, mRNA sequence.

ACCESSION BX350606

VERSION BX350606.1 GI:30373499

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 922)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 Library was constructed by Life Technologies, a division of
 Invitrogen. This sequence belongs to sequence cluster 907.f For
 more information about this cluster, see
[http://www.genoscope.cns.fr/
 cgi-bin/cluster.cgi?seq=CS0BAI043ZD06_CS04076_1&cluster=907.f](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0BAI043ZD06_CS04076_1&cluster=907.f).
 Contact : Feng Liang Email : fliang@lifetech.com URL :
<http://fulllength.invitrogen.com/> InVitroGen Corporation 1600
 Faraday Avenue Genoscope sequence ID : CS0BAI043ZD06_CS04076_1.

FEATURES
 source

Location/Qualifiers

1. .922
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DL005YC17"
 /cell_type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
 /cell_line="RAMOS CELL LINE"
 /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 27.8%; Score 874.4; DB 13; Length 922;
 Best Local Similarity 98.7%; Pred. No. 6.3e-202;
 Matches 878; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy	1372	CCCAGGGCCTTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGC	1431
Db	919	CCCAGGNCCTTGATGGGCACAGCCATCTTGTTCATGTACTTGGGAACCACAAACAGGGTCGC	860
Qy	1432	TCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGT	1491
Db	859	TCCACAAGACTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGT	800
Qy	1492	TCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAAGTGTGTTG	1551
Db	799	TCCCTGACCCTGANCCCTGTTGCAACCTGCAGCTGGCCNCCACCAAGGGTGCAAGTGTGTTG	740
Qy	1552	TAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCT	1611
Db	739	TAGGCTTCTCAGNAGGTGTCTGGAGGGTGCCNCCGAGCCAACCTGTAGTGTCTATGAGAGCT	680
Qy	1612	GTGTGGACTGTGTCCTTGCCCGGGACCCCACTGTGCCTGGGACCCTGAGTCCCGAACCT	1671
Db	679	GTGTGGACTGTGTCCTTGCCCGGGACCCCACTGTGCCTGGGACCCTGAGTCCCGAACCT	620
Qy	1672	GTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACC	1731
Db	619	GTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACC	560
Qy	1732	CAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGC	1791
Db	559	CAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGC	500

Qy 1792 AAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACC 1851
 |||
 Db 499 AAATCATTAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCCACC 440
 Qy 1852 TGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTT 1911
 |||
 Db 439 TGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTT 380
 Qy 1912 CCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACC 1971
 |||
 Db 379 CCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACC 320
 Qy 1972 AGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCC 2031
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 Db 319 AGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCC 260
 Qy 2032 AGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGG 2091
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 Db 259 AGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGG 200
 Qy 2092 TCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCC 2151
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 Db 199 TCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCC 140
 Qy 2152 ACTTTGTCACTGTCACTGTCCCTCTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCG 2211
 |||
 Db 139 ACTTTGTCACTGTCACTGTCCCTCTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCG 80
 Qy 2212 TGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTACAGGGCTGT 2261
 |||
 Db 79 TGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTACAGGGCTGT 30

RESULT 9

BX328255

LOCUS BX328255 926 bp mRNA linear EST 01-MAY-2003
 DEFINITION BX328255 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
 Homo sapiens cDNA clone CS0DL005YC17 5-PRIME, mRNA sequence.

ACCESSION BX328255

VERSION BX328255.1 GI:30307730

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 926)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of
 Invitrogen. This sequence belongs to sequence cluster 907.f For
 more information about this cluster, see

http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0BAG053ZH06_C

S05040_1&cluster=907.f. Contact : Feng Liang Email :
 fliang@lifetech.com URL : http://fulllength.invitrogen.com/
 InVitroGen Corporation 1600 Faraday Avenue Genoscope sequence ID :
 CS0BAG053ZH06_CS05040_1.

FEATURES
 source Location/Qualifiers
 1. .926
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DL005YC17"
 /cell_type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
 /cell_line="RAMOS CELL LINE"
 /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 27.3%; Score 856.6; DB 13; Length 926;
 Best Local Similarity 98.1%; Pred. No. 1.4e-197;
 Matches 909; Conservative 0; Mismatches 14; Indels 4; Gaps 4;

QY	805	TGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGG-AGACAGCCAGCGAG	863
Db	1	TGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAAGACAGCCAGCGAG	60
QY	864	TTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTG	923
Db	61	TTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTG	120
QY	924	GGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGC	983
Db	121	GGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGC	180
QY	984	ACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTCCCCGCCGAT	1043
Db	181	ACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTCCCCGCCGAT	240
QY	1044	TCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTTGGCGGGACC	1103
Db	241	TCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTTGGCGGGACC	300
QY	1104	AGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAA	1163
Db	301	AGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAA	360
QY	1164	TACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAAC	1223
Db	361	TACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAAC	420
QY	1224	CCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAG	1283
Db	421	CCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAG	480
QY	1284	GACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTG	1343

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Db      481 GACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTG 540
      |||
Qy      1344 GAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTC 1403
      |||
Db      541 GAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTC 600
      |||
Qy      1404 ATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGT 1463
      |||
Db      601 ATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGT 660
      |||
Qy      1464 GCTCATCTGGTGGGAAGAGATTGAGTGTTCCTGACCCTGAACCTGTTGCAACCTGCAG 1523
      |||
Db      661 GCTCATCTGGTGGGAAGAGATTGAGTGTTCCTGACCCTGAACCTGTTGCAACCTGCAG 720
      |||
Qy      1524 CTGGCCCCACCCAGGGTGCA-GTGTGGTAGGCTTCTCAGGAGGTGTCTGG-AGGGTGC 1581
      |||
Db      721 CTGGCCCCACCCAGGTGCANGTGTGGTAGGCTTCTCAGGAGGTGTCTGGNAGGGTGC 780
      |||
Qy      1582 CCCGAGCCAACGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGCCCGGGACCCCC 1641
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Db      781 CCCGAGCCAACGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGCCCGGGACCCCC 840
      |||
Qy      1642 ACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACT 1701
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Db      841 -CTGTGCCTGGGACCCTGAGTCCCGACCCTGTTGCCTTCTGTCTGCCCCAACCTTGACT 899
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Qy      1702 CCTGGAAGCAGGACATGGAGCGGGGA 1728
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Db      900 CCTTGAAGCAGACATGGAGCGGGGA 926

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RESULT 10

BX384966

LOCUS BX384966 1201 bp mRNA linear EST 08-MAY-2003

DEFINITION BX384966 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
Homo sapiens cDNA clone CS0DL005YC17 5-PRIME, mRNA sequence.

ACCESSION BX384966

VERSION BX384966.1 GI:30436505

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1201)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of

Invitrogen. This sequence belongs to sequence cluster 907.f For
more information about this cluster, see

<http://www.genoscope.cns.fr/>

[cgi-bin/cluster.cgi?seq=CS0DL005AB09QP1&cluster=907.f](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DL005AB09QP1&cluster=907.f). Contact :


```

Db      548 TCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTT 607
Qy      639 GACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATG 698
        |||
Db      608 GACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATG 667
Qy      699 AACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTC 758
        |||
Db      668 AACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTC 727
Qy      759 AAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCT 818
        |||
Db      728 AAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCT 787
Qy      819 TCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAG 878
        |||
Db      788 TCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAG 847
Qy      879 AGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG 938
        |||
Db      848 AGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCG-AAARCTG 906
Qy      939 CTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGC 996
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Db      907 CTGCAGAAGAAGTGGACCMCTCCTGAAGCCCACYGCYCTCMCCAGCCCGGGCACTGC 964

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RESULT 11

BQ057192

LOCUS BQ057192 974 bp mRNA linear EST 29-MAR-2002

DEFINITION AGENCOURT_6769628 NIH_MGC_99 Homo sapiens cDNA clone IMAGE:5812383
5', mRNA sequence.

ACCESSION BQ057192

VERSION BQ057192.1 GI:19816532

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 974)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)

COMMENT Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Lou Staudt

cDNA Library Preparation: Rubin Laboratory

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:

<http://image.llnl.gov>

Plate: LLCM2062 row: 1 column: 16

High quality sequence stop: 714.

FEATURES

source

Location/Qualifiers

1..974

/organism="Homo sapiens"


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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5812383"
/tissue_type="lymphoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_99"
/note="Organ: lymph; Vector: pOTB7; Site_1: XhoI; Site_2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCACGAG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NIH_MGC
Library."

```

ORIGIN

```

Query Match          26.3%;  Score 827.4;  DB 13;  Length 974;
Best Local Similarity 92.6%;  Pred. No. 1.9e-190;
Matches 902;  Conservative 0;  Mismatches 67;  Indels 5;  Gaps 3;

Qy      92 TCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCCCTGGACCCCTGGAGCCTCCTGGGCCCT 151
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Db      1 TCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCCCTGGACCCCTGGAGCCTCCTGGGCCCT 60

Qy     152 TTTCTCTTTCCAACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCA 211
      |||||||
Db      61 TTTCTCTTTCCAACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCA 120

Qy     212 GGGGCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTT 271
      |||||||
Db     121 GGGGCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTT 180

Qy     272 CCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCT 331
      |||||||
Db     181 CCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCT 240

Qy     332 CTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAG 391
      |||||||
Db     241 CTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAG 300

Qy     392 GCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAA 451
      |||||||
Db     301 GCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAA 360

Qy     452 GAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAATGT 511
      |||||||
Db     361 GAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAATGT 420

Qy     512 CACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACT 571
      |||||||
Db     421 CACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACT 480

Qy     572 TCAAGATTCCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAG 631
      |||||||
Db     481 TCAAGATTCCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAG 540

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Qy	632	CCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGG	691
Db	541	CCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGG	600
Qy	692	TACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCC	751
Db	601	TACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCC	660
Qy	752	TGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGC	811
Db	661	TGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGC	720
Qy	812	CATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTT	871
Db	721	CATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTT	780
Qy	872	CTTTGAGAGGCTCCACACATCGCGGGTGG--CTAGAGTCTGCAAGAATGACGTGGGC--GGC	929
Db	781	CTTTGAGAGGCCCCACCCTCCCGGGGGCCCTANAGTCTGCCAAAATGACGTGGGCGGGC	840
Qy	930	GAAAAGCTGCTGCAGAAGAA---GTGGACCACCTTCCTGAAGGCCCAGCTGCTCTGCACC	986
Db	841	GAAAAGCTGCTGCAAAAAAAGTGGACCCCCCTTCCTTGAAGGCCCAGCTGCTCTGGCCC	900
Qy	987	CAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCT	1046
Db	901	CCAGCCGGGGGGAGCTTGCCCTTTCACGTCATCCCGCCCCCGGGGTCTGGCTCCCCC	960
Qy	1047	CCCACAGCTCCCCA	1060
Db	961	CCGAATTTTCCCCA	974

cgi-bin/cluster.cgi?seq=CS0BAG009ZD12_CS00860_1&cluster=907.f.
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0BAG009ZD12_CS00860_1.

FEATURES
source Location/Qualifiers
1. .960
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DD003YE08"
/tissue_type="NEUROBLASTOMA COT 50-NORMALIZED"
/clone_lib="Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 26.2%; Score 822.2; DB 13; Length 960;
Best Local Similarity 97.2%; Pred. No. 3.6e-189;
Matches 900; Conservative 0; Mismatches 19; Indels 7; Gaps 6;

Qy 1530 CCCACCCAGGGTGCAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCC 1589
||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 10 CCCCACCAGGGTGCAGTGTGTTGTAGGCTTCT-AGGAGGTGTCTGGAGGGTGCCCCGAGCC 68

Qy 1590 AACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGTCCCTTGTCCCGGACCCCCACTGTGCC 1649
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 69 AACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGTCCCTTGTCCCGGACCCCCACTGTGCC 128

Qy 1650 TGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAG 1709
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 129 TGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAG 188

Qy 1710 CAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGC 1769
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 189 CAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGC 248

Qy 1770 CTTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCCAACTCCATC 1829
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 249 CTTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCTAACTCCATC 308

Qy 1830 CTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCA 1889
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 309 CTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCA 368

Qy 1890 GCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAG 1949
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 369 GCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAG 428

Qy 1950 GATGGAGTTGGGGGTCTCTACCAAGTGTGGGCAACTGAGAATGGCTTTTCATACCCTGTG 2009
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 429 GATGGAGTTGGGGGTCTCTACCAAGTGTGGGCAACTGAGAATGGCTTTTCATACCCTGTG 488

Qy 2010 ATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACCTGGCAGGC 2069
||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 489 ATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACCTGGCAGGC 548

Qy 2070 ATCCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCT 2129
 |||||
 Db 549 ATCCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCT 608
 Qy 2130 GCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTT 2189
 |||||
 Db 609 GCCCAGCAGTCCTACTGGCCCCACTNTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTT 668
 Qy 2190 TCAGGAGCCCTCATCATCTCTGTTGGCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAG 2249
 |||||
 Db 669 TCAGGAGCCCTCATCATCTCTGTTGGCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAG 728
 Qy 2250 GTTC-AGGGCTGTGAGACCCTGCGCCCTGGGG--AGAAGGCCCCGTTAAGCAGAGAGCAA 2306
 |||||
 Db 729 GTTCAAGGGCTGTGAGACCCTGCGCCCTGGGGGAGAAGGGCCCCGTTAAGCAGAGAGCAA 788
 Qy 2307 CA-CCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACG-CTGACAACA 2364
 || |||
 Db 789 CACCCCTCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGGCGCCTGACAACA 848
 Qy 2365 ACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCA 2424
 |||||
 Db 849 ACTGCCTAGGCACTGAGGTAGCTTAAACTCTA-GCACAGCCCCGGGCTTGCGGGGCAGCCA 907
 Qy 2425 CCTGGCCATGCTGGCTGGGCGGCCCA 2450
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 Db 908 CCTGCCCATGCTGTGTGGGCGGCCCA 933

RESULT 13

CB243787/c

LOCUS CB243787 797 bp mRNA linear EST 12-FEB-2003

DEFINITION UI-CF-FN0-agg-a-05-0-UI.s1 UI-CF-FN0 Homo sapiens cDNA clone
 UI-CF-FN0-agg-a-05-0-UI 3', mRNA sequence.

ACCESSION CB243787

VERSION CB243787.1 GI:28365431

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 797)

AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.

TITLE Normalization and subtraction: two approaches to facilitate gene
 discovery

JOURNAL Genome Res. 6 (9), 791-806 (1996)

MEDLINE 97044477

PUBMED 8889548

COMMENT Contact: McCray, PB

McCray Lab

University of Iowa

2024 University of Iowa Med Labs, Iowa City, IA 52242, USA

Tel: 319 356 4866

Fax: 319 356 7171

Email: paul-mccray@uiowa.edu

Tissue Procurement: Dr. M. J. Welsh, University of Iowa

cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
 cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
 DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
 Clone Distribution: Researchers may obtain clones from Research
 Genetics (www.resgen.com) or from Open Biosystems
 (www.openbiosystems.com).

The following repetitive elements were found in this cDNA
 sequence: 1-46, >AT_rich#Low_complexity (matched compliment)
 Seq primer: M13 FORWARD
 POLYA=Yes.

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FEATURES                      Location/Qualifiers
  source                      1. .797
                              /organism="Homo sapiens"
                              /mol_type="mRNA"
                              /db_xref="taxon:9606"
                              /clone="UI-CF-FN0-agg-a-05-0-UI"
                              /tissue_type="Human Lung Epithelial cells"
                              /lab_host="DH10B (Life Technologies) (T1 phage resistant)"
                              /clone_lib="UI-CF-FN0"
                              /note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a
                              modified polylinker; Site_1: EcoR I; Site_2: Not I;
                              UI-CF-FN0 is a subtracted cDNA library derived from two
                              normalized Human lung epithelial cell libraries (EN1 and
                              DU1) The library was subtracted according to according to
                              Bonaldo, Lennon and Soares, Genome Research, 6:791-806,
                              1996. For additional information, contact:
                              bento-soares@uiowa.edu
                              TAG_TISSUE=Human Lung Epithelial Cell Lines untreated LPS
                              6hr to LPS 24h
                              TAG_LIB=UI-CF-FN0
                              TAG_SEQ=CTGCTCAGGT"

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ORIGIN

```

Query Match          24.8%;  Score 779.8;  DB 14;  Length 797;
Best Local Similarity 99.4%;  Pred. No. 7.3e-179;
Matches 781;  Conservative 0;  Mismatches 5;  Indels 0;  Gaps 0;

QY      2358 GACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCCGGGGCTGCGGT 2417
          |||
Db       797 GACAACAACCTGCNTAGGCACTGAGGTAGCTTAAACTNTAGGCACAGGCCCGGGGCTGCGGT 738

QY      2418 GCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCA 2477
          |||
Db       737 GCAGGCACCCGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGANTAGGATGACAGCA 678

QY      2478 GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC 2537
          |||
Db       677 GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC 618

QY      2538 ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCAC 2597
          |||
Db       617 ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCAC 558

QY      2598 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCCTACACTGATATTGAAGA 2657
          |||
Db       557 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCCTACACTGATATTGAAGA 498

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Qy 2658 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTC 2717
 |||||
 Db 497 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTC 438

Qy 2718 AAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 2777
 |||||
 Db 437 AAGAGACCCTAAAAAACCTGCCTGTCTAGGACCCTATGGTAATGAACACCAAACATCTA 378

Qy 2778 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 2837
 |||||
 Db 377 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 318

Qy 2838 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 2897
 |||||
 Db 317 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 258

Qy 2898 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCT 2957
 |||||
 Db 257 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCT 198

Qy 2958 TCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCC 3017
 |||||
 Db 197 TCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCC 138

Qy 3018 TTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTGTTT 3077
 |||||
 Db 137 TTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTGTTT 78

Qy 3078 TGGGATTTCAGAAAACCTGCTTGTCTAGAGACTGTTTATTTTATTTAAATAAAGGCTTA 3137
 |||||
 Db 77 TGGGATTTCAGAAAACCTGCTTGTCTAGAGACTGTTTATTTTATTTAAATAAAGGCTTA 18

Qy 3138 AAAAAA 3143
 |||||
 Db 17 AAAAAA 12

RESULT 14

BX112994

LOCUS BX112994 801 bp mRNA linear EST 07-FEB-2003

DEFINITION BX112994 Soares placenta Nb2HP Homo sapiens cDNA clone
 IMAGp998F02225 ; IMAGE:147841, mRNA sequence.

ACCESSION BX112994

VERSION BX112994.1 GI:27837970

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 801)

AUTHORS Ebert,L., Heil,O., Hennig,S., Neubert,P., Partsch,E., Peters,M.,
 Radelof,U., Schneider,D. and Korn,B.

TITLE Human UnigeneSet - RZPD3

JOURNAL Unpublished (2003)

COMMENT Contact: Ina Rolfs

RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
 Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany

RZPD; IMAGp998F02225.
 RZPDLIB; I.M.A.G.E. cDNA Clone Collection;
 Human UnigeneSet - RZPD3 (RZPDLIB No.972)
<http://www.rzpd.de/CloneCards/cgi-bin/showLib.pl.cgi/response?libNo=972> Contact: Ina Rolfs
 RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
 Heubnerweg 6, D-14059 Berlin, Germany
 Tel: +49 30 32639 101
 Fax: +49 30 32639 111
www.rzpd.de
 This clone is available royalty-free from RZPD;
 contact RZPD (clone@rzpd.de) for further information. Seq primer:
 M13r, Primer sequence: TTTCACACAGGAAACAGCTATGAC.

FEATURES	Location/Qualifiers
source	1. .801
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	/mol_type="mRNA"
	/db_xref="taxon:9606"
	/clone="IMAGp998F02225 ; IMAGE:147841"
	/sex="Female"
	/dev_stage="placenta obtained at birth (full term)"
	/lab_host="DH10B (ampicillin resistant)"
	/clone_lib="Soares placenta Nb2HP"
	/note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCGAGGAATTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo. "

ORIGIN

Query Match 24.7%; Score 775; DB 13; Length 801;
 Best Local Similarity 99.4%; Pred. No. 1.1e-177;
 Matches 797; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

Qy	2086	TGAAGGTCCC GTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCC CAGCAGTCCTACT	2145
Db	1	TGAAGGTCCC GTTGACC-GGGTCAGTGGTGGGGCCGCCCTGGCTGCC CAGCAGTCCTACT	59
Qy	2146	GGCCCCACTTTGTCAC TGTCACTGTCCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCA	2205
Db	60	GGCCCCACTTTGTCAC TGTCACTGTCCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCA	119
Qy	2206	TCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGA	2265
Db	120	TCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGA	179
Qy	2266	CCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGG	2325
Db	180	CCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGG	239
Qy	2326	AATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAG	2385
Db	240	AATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAG	299

Qy 2386 CTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCG 2445
 |||
 Db 300 CTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCG 359
 Qy 2446 GCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAG 2505
 |||
 Db 360 GCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAG 419
 Qy 2506 AGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTG 2565
 |||
 Db 420 AGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTG 479
 Qy 2566 CCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTAC 2625
 |||
 Db 480 CCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTAC 539
 Qy 2626 CCCCGAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCC 2685
 |||
 Db 540 CCCCGAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCC 599
 Qy 2686 ATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCC 2745
 |||
 Db 600 ATTCCAGGGACCCTCCAGAAACACAGTGNTTCAAGAGACCCTAAAAAACCTGCCTGTCCC 659
 Qy 2746 AGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCT 2805
 |||
 Db 660 AGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCT 719
 Qy 2806 GGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATG 2865
 |||
 Db 720 GGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTNCCAGGGTCATG 779
 Qy 2866 CA-GGGATCTGCTCCCTCCTGC 2886
 ||
 Db 780 CAGGGGATCTGCTCCCTNCTGC 801

RESULT 15

BQ883972

LOCUS BQ883972 912 bp mRNA linear EST 16-AUG-2002
 DEFINITION AGENCOURT_8616305 NIH_MGC_113 Homo sapiens cDNA clone IMAGE:6302388
 5', mRNA sequence.

ACCESSION BQ883972

VERSION BQ883972.1 GI:22275980

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 912)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)

COMMENT Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Dr. Mark Watson

cDNA Library Preparation: Rubin Laboratory
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
 Plate: LLCM2519 row: m column: 13
 High quality sequence stop: 601.

FEATURES
 source Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:6302388"
 /lab_host="DH10B (phage-resistant)"
 /clone_lib="NIH_MGC_113"
 /note="Organ: spleen; Vector: pOTB7; Site_1: XhoI; Site_2:
 EcoRI; cDNA made by oligo-dT priming. Directionally cloned
 into EcoRI/XhoI sites using the following 5' adaptor:
 GGCACGAG(G). Library constructed by Ling Hong in the
 laboratory of Gerald M. Rubin (University of California,
 Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and
 Superscript II RT (Life Technologies). Note: this is a
 NIH_MGC Library."

ORIGIN

Query Match 24.5%; Score 769.8; DB 13; Length 912;
 Best Local Similarity 96.7%; Pred. No. 2.2e-176;
 Matches 840; Conservative 0; Mismatches 22; Indels 7; Gaps 5;

Qy	1315	GGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCC	1374
Db	1	GGACGCCCCCTGCTGGTGAAATCTGGCGTGGAG-ATACACGGCTTGCACTGGAGACAGCCC	59
Qy	1375	AGGGCCTTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCC	1434
Db	60	AGGGCCTTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCC	119
Qy	1435	ACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCC	1494
Db	120	ACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCC	179
Qy	1495	CTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAG	1554
Db	180	CTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAG	239
Qy	1555	GCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTG	1614
Db	240	GCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTG	299
Qy	1615	TGGAAGTGTGCTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTT	1674
Db	300	TGGAAGTGTGCTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTT	359
Qy	1675	GCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAG	1734
Db	360	GCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAG	419

Qy	1735	AGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAA	1794
Db	420	AGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAA	479
Qy	1795	TCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGT	1854
Db	480	TCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGT	539
Qy	1855	CAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCA	1914
Db	540	CAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCA	599
Qy	1915	CTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCA	1974
Db	600	CTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCA	659
Qy	1975	GCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGG	2034
Db	660	GCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGG	719
Qy	2035	ACCAGACCCT-GGCCCTGGATCCTGAACTGGCAGGCAT-CCCCCGGGAGCATGTGAAGGT	2092
Db	720	AACAGACCCTGGGCCCTGGATCCTGAACTGGGAGGCATCCCCCGGGAGCATGTGAAAGT	779
Qy	2093	CCCGTTGACCAGGGTCAGTGG--TGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCC	2150
Db	780	CCCGTTGACCAGGGTCCATGGGTGGGGCCGCCCTGGCTGCCCCAACAATCCTACTGGCCC	839
Qy	2151	C--ACTTTGTCAGTGTCACTGTCTCTTT	2177
Db	840	CCACTTTGGCCACTGTTACTGGCCCCCTT	868

Search completed: May 13, 2004, 15:34:10
 Job time : 7730 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 07:58:58 ; Search time 12062 Seconds
(without alignments)
11293.911 Million cell updates/sec

Title: US-10-015-391A-276
Perfect score: 3143
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3470272 seqs, 21671516995 residues

Total number of hits satisfying chosen parameters: 6940544

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
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 30: em_htg_hum:*
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 33: em_htg_mus:*
 34: em_htg_pln:*
 35: em_htg_rod:*
 36: em_htg_mam:*
 37: em_htg_vrt:*
 38: em_sy:*
 39: em_htgo_hum:*
 40: em_htgo_mus:*
 41: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result			% Query				Description
			Match	Length	DB	ID	
	No.	Score					
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	3	3068.4	97.6	3257	9	BC020974	BC020974 Homo sapi
	4	3041.4	96.8	3252	9	AB029394	AB029394 Homo sapi
	5	3035.8	96.6	3191	6	BD249136	BD249136 27 human
	6	2927.6	93.1	3151	9	HSM807023	BX640891 Homo sapi
	7	2682.2	85.3	2981	6	AX746794	AX746794 Sequence
	8	2682.2	85.3	2981	9	AK091127	AK091127 Homo sapi
	9	2476.4	78.8	2768	6	AX512887	AX512887 Sequence
c	10	2281	72.6	2281	6	AX528271	AX528271 Sequence
	11	2228.4	70.9	2271	6	AX528269	AX528269 Sequence
	12	1834.8	58.4	1838	6	AX879068	AX879068 Sequence
	13	1834.8	58.4	1838	6	BD157628	BD157628 Primer fo
	14	1834.8	58.4	1838	9	AK022349	AK022349 Homo sapi
	15	1760	56.0	3159	10	BC025800	BC025800 Mus muscu
	16	1727.6	55.0	3046	10	MMRNASEMB	X85991 M.musculus
	17	1340	42.6	164168	9	AL135927	AL135927 Human DNA
c	18	1340	42.6	164179	9	AC007227	AC007227 Homo sapi
	19	696.6	22.2	775	6	AX866805	AX866805 Sequence
	20	696.6	22.2	775	6	BD146867	BD146867 Primer fo
c	21	498	15.8	567	6	AX872305	AX872305 Sequence
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	23	494	15.7	1223	6	AX704742	AX704742 Sequence
	24	486.6	15.5	184850	2	AC102388	AC102388 Mus muscu
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	26	470	15.0	988	6	AX430331	AX430331 Sequence
	27	439.6	14.0	230635	2	AC128319	AC128319 Rattus no
	28	439.6	14.0	246036	2	AC097816	AC097816 Rattus no
	29	439.6	14.0	289877	2	AC119762	AC119762 Rattus no
	30	327	10.4	2405	6	AX879101	AX879101 Sequence
	31	327	10.4	2405	6	BD157650	BD157650 Primer fo
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37	263.6	8.4	3781	6	AX376386	AX376386 Sequence
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39	263.6	8.4	3781	9	AY358392	AY358392 Homo sapi
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ALIGNMENTS

RESULT 1

AX697208

LOCUS AX697208 3143 bp DNA linear PAT 02-APR-2003

DEFINITION Sequence 276 from Patent WO0078961.

ACCESSION AX697208

VERSION AX697208.1 GI:29498147

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Ferrara,N., Stewart,T.A., Williams,P.M., Baker,K.P., Desnoyers,L.,
Eaton,D.L., Gao,W.Q., Pan,J., Botstein,D., Fong,S., Goddard,A.,
Godowski,P.J., Gurney,A.L., Smith,V., Tumas,D., Wood,W.I.,
Grimaldi,C.J., Hillan,K.J., Paoni,N.F., Roy,M.A. and Watanabe,C.K.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same

JOURNAL Patent: WO 0078961-A 276 28-DEC-2000;
Genentech Inc. (US)

FEATURES Location/Qualifiers

source 1. .3143
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 100.0%; Score 3143; DB 6; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180

Db	121		TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACGCTTCAGCTGCTGC	180
Qy	181		TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181		TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421		GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421		GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Db	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Qy	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT	780
Db	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961		TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020

Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAAGTGTGTTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAAGTGTGTTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
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Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
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Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
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Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
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Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
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Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
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Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
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RESULT 2

AY358531

LOCUS AY358531 3143 bp mRNA linear PRI 03-OCT-2003

DEFINITION Homo sapiens clone DNA71166 semaphorin B (UNQ783) mRNA, complete cds.

ACCESSION AY358531

VERSION AY358531.1 GI:37182184

KEYWORDS FLI_CDNA.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3143)

AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J., Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B., Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E., Heldens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S., Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C., Schoenfeld,J., Seshagiri,S., Simmons,L., Singh,J., Smith,V., Stinson,J., Vagts,A., Vandlen,R., Watanabe,C., Wieand,D., Woods,K., Xie,M.H., Yansura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z., Goddard,A., Wood,W.I. and Godowski,P.

TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale Effort to Identify Novel Human Secreted and Transmembrane Proteins:

JOURNAL A Bioinformatics Assessment
 PUBMED Genome Res. 13 (10), 2265-2270 (2003)
 REFERENCE 12975309
 REFERENCE 2 (bases 1 to 3143)
 AUTHORS Clark,H.F.
 TITLE Direct Submission
 JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
 Inc., 1 DNA Way, South San Francisco, CA 94080, USA
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ORIGIN

Query Match	100.0%;	Score 3143;	DB 9;	Length 3143;
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Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
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RESULT 3

BC020974

LOCUS BC020974 3257 bp mRNA linear PRI 03-OCT-2003

DEFINITION Homo sapiens hypothetical protein FLJ12287 similar to semaphorins, mRNA (cDNA clone MGC:9542 IMAGE:3847802), complete cds.

ACCESSION BC020974

VERSION BC020974.1 GI:18088092

KEYWORDS MGC.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3257)

AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,

Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E.,
 Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.
 TITLE Generation and initial analysis of more than 15,000 full-length
 human and mouse cDNA sequences
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
 MEDLINE 22388257
 PUBMED 12477932
 REFERENCE 2 (bases 1 to 3257)
 AUTHORS Strausberg,R.
 TITLE Direct Submission
 JOURNAL Submitted (03-JAN-2002) National Institutes of Health, Mammalian
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 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
 USA
 REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>
 COMMENT Contact: MGC help desk
 Email: cgapbs-r@mail.nih.gov
 Tissue Procurement: ATCC
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Sequencing Group at the Stanford Human Genome
 Center, Stanford University School of Medicine, Stanford, CA 94305
 Web site: <http://www-shgc.stanford.edu>
 Contact: (Dickson, Mark) mcd@paxil.stanford.edu
 Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
 R. M.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
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 This clone was selected for full length sequencing because it
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ORIGIN

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RESULT 4

AB029394

LOCUS AB029394 3252 bp mRNA linear PRI 06-JAN-2001

DEFINITION Homo sapiens mRNA for SEMB, complete cds.

ACCESSION AB029394

VERSION AB029394.1 GI:12248381

KEYWORDS SEMB.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3252)

AUTHORS Seki,N., Hattori,A., Hayashi,A., Kozuma,S., Muramatsu,M., Miyajima,N. and Saito,T.

TITLE Human semaphorin B

JOURNAL Published Only in DataBase (2001)

REFERENCE 2 (bases 1 to 3252)

AUTHORS Seki,N., Hattori,A., Hayashi,A., Kozuma,S., Muramatsu,M., Miyajima,N. and Saito,T.

TITLE Direct Submission

JOURNAL Submitted (28-JUN-1999) Toshiyuki Saito, National Institute of Radiological Sciences, Genome Research Group; Inage-ku Anagawa 4-9-1, Chiba, Chiba 263-8555, Japan (E-mail:t_saito@nirs.go.jp, Tel:81-43-201-3135, Fax:81-43-251-9818)

FEATURES Location/Qualifiers

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ORIGIN

Query Match 96.8%; Score 3041.4; DB 9; Length 3252;
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RESULT 5

BD249136

LOCUS BD249136 3191 bp DNA linear PAT 17-JUL-2003

DEFINITION 27 human secreted proteins.

ACCESSION BD249136

VERSION BD249136.1 GI:33058906

KEYWORDS JP 2002538841-A/10.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3191)

AUTHORS Ruben,S.M., Ni,J., Ebner,R., Rosen,C.A., Shi,Y., Birse,C.,
 Florence,K., Komatsoulis,G., Lafleur,D.W., Moore,P.A., Olsen,H.S.
 and Young,P.E.

TITLE 27 human secreted proteins

JOURNAL Patent: JP 2002538841-A 10 19-NOV-2002;
 HUMAN GENOME SCIENCES INC

COMMENT OS Homo sapiens (human)
 PN JP 2002538841-A/10
 PD 19-NOV-2002
 PF 16-MAR-2000 JP 2000605787
 PR 18-MAR-1999 US 60/125055
 PI STEVEN M RUBEN,JIAN NI,REINHARD EBNER,CRAIG
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 PI CHARLES BIRSE,KIMBERLY FLORENCE,GEORGE KOMATSOULIS,DAVID W PI
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ORIGIN

Query Match 96.6%; Score 3035.8; DB 6; Length 3191;
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 Db 858 TCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGGCGAAAAGCTGCTGC 917
 Qy 943 AGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGC 1002
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 918 AGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGC 977
 Qy 1003 CCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACA 1062
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 978 CCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACA 1037
 Qy 1063 TCTACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTG 1122
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy	1123	CCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAG	1182
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Qy	1183	AAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCT	1242
		:	
Db	1158	AAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCCGGSCAGGCAGTTGCT	1217
Qy	1243	CAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATG	1302
		: : :	
Db	1218	YARTGGGCCCCCTYCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATG	1277
Qy	1303	AGCAAGTGGTGGGGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAG	1362
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Qy	1423	CAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGA	1482
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Db	1458	TTCAGCTGYTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTG	1517
Qy	1543	CAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAAGTGTAGTGTCT	1602
		: : :	
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Qy	1603	ATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGT	1662
Db	1578	ATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGT	1637
Qy	1663	CCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGC	1722
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Qy	1723	GGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGA	1782
Db	1698	GGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGA	1757
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Db	1758	GCCGCCCCGCAAATCATTAAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCT	1817
Qy	1843	GCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCAG	1902
Db	1818	GCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCAG	1877
Qy	1903	AAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGG	1962
Db	1878	AAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGG	1937

Qy	1963	GTCTCTACCAAGTCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGG	2022
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Db	2058	ATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCT	2117
Qy	2143	ACTGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCA	2202
Db	2118	ACTGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCA	2177
Qy	2203	TCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTG	2262
Db	2178	TCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTG	2237
Qy	2263	AGACCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCA	2322
Db	2238	AGACCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCA	2297
Qy	2323	AGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGG	2382
Db	2298	AGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGG	2357
Qy	2383	TAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGG	2442
Db	2358	TAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGG	2417
Qy	2443	GCGGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCT	2502
Db	2418	GCGGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCT	2477
Qy	2503	GAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGT	2562
Db	2478	GAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGT	2537
Qy	2563	CTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGC	2622
Db	2538	CTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGC	2597
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Qy	2683	GCCATTCCAGGGACCCTCCAGAAACACAGTGTTCAGAGACCCTAAAAACCTGCCTGT	2742
Db	2658	GCCATTCCAGGGACCCTCCAGAAACACAGTGTTCAGAGACCCTAAAAACCTGCCTGT	2717
Qy	2743	CCCAGGACCCTATGGTAATGAACACCAACATCTAAACAATCATATGCTAACATGCCACT	2802
Db	2718	CCCAGGACCCTATGGTAATGAACACCAACATCTAAACAATCATATGCTAACATGCCACT	2777
Qy	2803	CCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTC	2862

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Db      2778 CCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACTCCCTTCTCCCAGGGTC 2837
Qy      2863 ATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAA 2922
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Db      3018 CCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAG 3077
Qy      3103 AGACTGTTTATTTTTTTTATTAAAAAATATAAGGCTTAAAAAAA 3143
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RESULT 6

HSM807023

LOCUS HSM807023 3151 bp mRNA linear PRI 28-AUG-2003

DEFINITION Homo sapiens mRNA; cDNA DKFZp686D04248 (from clone DKFZp686D04248); complete cds.

ACCESSION BX640891

VERSION BX640891.1 GI:34365195

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3151)

AUTHORS Ottenwaelder,B., Obermaier,B., Deutschenbaur,S., Mewes,H.W., Weil,B., Amid,C., Osanger,A., Fobo,G., Han,M. and Wiemann,S.

CONSRM The German Human cDNA Consortium

TITLE Direct Submission

JOURNAL Submitted (26-AUG-2003) MIPS, Ingolstaedter Landstr.1, D-85764 Neuherberg, GERMANY

COMMENT Clone from S. Wiemann, Molecular Genome Analysis, German Cancer Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de; sequenced by MediGenomix (Martinsried/Germany) within the cDNA sequencing consortium of the German Genome Project. This clone (DKFZp686D04248) is available at the RZPD in Berlin. Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de Further information about the clone and the sequencing project is available at <http://mips.gsf.de/proj/cDNA/>.

FEATURES

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source      Location/Qualifiers
            1. .3151
              /organism="Homo sapiens"
              /mol_type="mRNA"
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Qy	562	TCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAA	621
Db	560	TCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAA	619
Qy	622	AAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGC	681
Db	620	AAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGC	679
Qy	682	TCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGCCCATCTGATGCGCACACTGG	741
Db	680	TCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGCCCATCTGATGCGCACACTGG	739
Qy	742	GATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCTGGCTGCATCATGACGCCTCCT	801
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Qy	802	TTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCG	861
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Qy	862	AGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACG	921
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Qy	922	TGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCT	981
Db	920	TGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCT	979
Qy	982	GCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCCACGCGGTCTGCTCCCCGCCG	1041
Db	980	GCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCCACGCGGTCTGCTCCCCGCCG	1039
Qy	1042	ATTCTCCACAGCTCCCCACATCTACGCAGTCTTACCTCCCAGTGGCAGGTTGGCGGGA	1101
Db	1040	ATTCTCCACAGCTCCCCACATCTACGCAGTCTTACCTCCCAGTGGCAGGTTGGCGGGA	1099
Qy	1102	CCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGA	1161
Db	1100	CCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGA	1159
Qy	1162	AATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGGCCCTGAGACCA	1221
Db	1160	AATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGGCCCTGAGACCA	1219
Qy	1222	ACCCCGGCCAGGCAGTTGCTCAGTGGGCCCTCCTCTGATAAGGCCCTGACCTTCATGA	1281
Db	1220	ACCCCGGCCAGGCAGTTGCTCAGTGGGCCCTCCTCTGATAAGGCCCTGACCTTCATGA	1279
Qy	1282	AGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCG	1341
Db	1280	AGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCG	1339

Qy	1342	TGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTG	1401
Db	1340	TGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTG	1399
Qy	1402	TCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCA	1461
Db	1400	TCATGTACCTGGGAACCAACCCAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCA	1459
Qy	1462	GTGCTCATCTGGTGAAGAGATTACAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGC	1521
Db	1460	GTGCTCATCTGGTGAAGAGATTACAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGC	1519
Qy	1522	AGCTGGCCCCCACCCAGGGTGCAGTGTTCGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGC	1581
Db	1520	AGCTGGCCCCCACCCAGGGTGCAGTGTTCGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGC	1579
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Db	1580	CCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGTCCCGGGACCCCC	1639
Qy	1642	ACTGTGCCTGGGACCTTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACT	1701
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Qy	1762	GCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGCTGTCCCCA	1821
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Db	1820	ACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTC	1879
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Qy	1942	TAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGGCAACTGAGAATGGCTTTTCAT	2001
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Qy	2002	ACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAAC	2061
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Qy	2062	TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCG	2121
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Db	2120	CCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCACTGTCACTGTCCCTCTTGCCCT	2179
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Db	2180	 TAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTC	2239
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Db	2300	AGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACA	2359
Qy	2362	ACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAG	2421
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Qy	2422	GCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCAC	2481
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Db	2480	AAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTC	2539
Qy	2542	AGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGA	2601
Db	2540	AGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGA	2599
Qy	2602	GCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCT	2661
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Qy	2722	GACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACA	2781
Db	2720	GACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACA	2779
Qy	2782	ATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGAAGCTGCCGCTTTGGACACCA	2841
Db	2780	ATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGAAGCTGCCGCTTTGGACACCA	2839
Qy	2842	ACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCG	2901
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Qy	2902	TGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCTTCAG	2961
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Qy	2962	TTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCT	3021
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Db 3140 AA 3141

RESULT 7

AX746794

LOCUS AX746794 2981 bp mRNA linear PAT 20-JUN-2003

DEFINITION Sequence 319 from Patent EP1308459.

ACCESSION AX746794

VERSION AX746794.1 GI:32131182

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Isogai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S.,
 Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
 Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
 Masuho,Y.

TITLE Full-length cDNA sequences

JOURNAL Patent: EP 1308459-A 319 07-MAY-2003;
 Helix Research Institute (JP) ; Research Association for
 Biotechnology (JP)

FEATURES Location/Qualifiers
 source 1. .2981
 /organism="Homo sapiens"
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ORIGIN

Query Match 85.3%; Score 2682.2; DB 6; Length 2981;
 Best Local Similarity 96.5%; Pred. No. 0;
 Matches 2793; Conservative 0; Mismatches 3; Indels 99; Gaps 1;

Qy 242 AGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACAC 301
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Db 186 AGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACAC 245

Qy 302 TCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGC 361
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Db 246 TCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGC 305

Qy 362 CTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG 421
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Db 306 CTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG 365

Qy 422 TGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTCAG 481
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Db 366 TGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAG----- 411

Qy	482	CTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGC	541
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Qy	722	CATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCTG	781
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Qy	782	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTCTACTTCTT	841
Db	627	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTCTACTTCTT	686
Qy	842	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	901
Db	687	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	746
Qy	902	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	961
Db	747	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	806
Qy	962	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCTCCGCCA	1021
Db	807	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCTCCGCCA	866
Qy	1022	CGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCTC	1081
Db	867	CGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCTC	926
Qy	1082	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	1141
Db	927	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	986
Qy	1142	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1201
Db	987	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1046
Qy	1202	TTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGA	1261
Db	1047	TTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGA	1106
Qy	1262	TAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCC	1321
Db	1107	TAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCC	1166

Qy	1322	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCT	1381
Db	1167	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCT	1226
Qy	1382	TGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1441
Db	1227	TGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1286
Qy	1442	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAAGAGATTGAGCTGTTCCCTGACCC	1501
Db	1287	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAAGAGATTGAGCTGTTCCCTGACCC	1346
Qy	1502	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCTC	1561
Db	1347	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCTC	1406
Qy	1562	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTG	1621
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Qy	1622	TGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCCT	1681
Db	1467	TGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCCT	1526
Qy	1682	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1741
Db	1527	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1586
Qy	1742	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTAA	1801
Db	1587	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTAA	1646
Qy	1802	AGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTGAGCCTT	1861
Db	1647	AGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTGAGCCTT	1706
Qy	1862	GGCCTCTTATTATTGGAGTCATGGCCCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1921
Db	1707	GGCCTCTTATTATTGGAGTCATGGCCCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1766
Qy	1922	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGGC	1981
Db	1767	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGGC	1826
Qy	1982	AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGAC	2041
Db	1827	AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGGAGCCAGGACCAGAC	1886
Qy	2042	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGAC	2101
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Qy	2102	CAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCAC	2161
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Db	2007	 TGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCC	2066
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Db	2067	 ATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGA	2126
Qy	2282	GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2341
Db	2127	 GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2186
Qy	2342	CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2401
Db	2187	 CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2246
Qy	2402	AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2461
Db	2247	 AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2306
Qy	2462	GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2521
Db	2307	 GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2366
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Db	2367	 CTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACT	2426
Qy	2582	CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCT	2641
Db	2427	 CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCT	2486
Qy	2642	ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2701
Db	2487	 ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2546
Qy	2702	AGAAACACAGTGTTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAAT	2761
Db	2547	 AGAAACACAGTGTTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAAT	2606
Qy	2762	GAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGA	2821
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Qy	2882	CCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGAC	2941
Db	2727	 CCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGAC	2786
Qy	2942	CACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGC	3001
Db	2787	 CACCTTTCTTCTTGCTTCAGTTGGGGCAGACTTTGATCCCTTCTGCCCTGGCAGAATGGC	2846
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Db 2967 AAAAATATAAGGCTT 2981

RESULT 8

AK091127

LOCUS AK091127 2981 bp mRNA linear PRI 15-JUL-2002

DEFINITION Homo sapiens cDNA FLJ33808 fis, clone CTONG2001749, highly similar to SEMAPHORIN 4A PRECURSOR.

ACCESSION AK091127

VERSION AK091127.1 GI:21749423

KEYWORDS oligo capping; fis (full insert sequence).

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Nishi,T., Ota,T., Nakagawa,S., Senoh,A., Mizuguchi,H., Inagaki,H., Sugiyama,T., Irie,R., Otsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamoto,J., Isono,Y., Kawai-Hio,Y., Saito,K., Nishikawa,T., Kimura,K., Yamashita,H., Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K., Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fujii,A., Oshima,A., Sugiyama,A., Kawakami,B., Suzuki,Y., Sugano,S., Nagahari,K., Masuho,Y., Nagai,K. and Isogai,T.

TITLE NEDO human cDNA sequencing project

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 2981)

AUTHORS Isogai,T. and Yamamoto,J.

TITLE Direct Submission

JOURNAL Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)

COMMENT NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.

FEATURES

source

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 /clone_lib="CTONG2"
 /note="cloning vector: pME18SFL3"

ORIGIN

Query Match 85.3%; Score 2682.2; DB 9; Length 2981;
 Best Local Similarity 96.5%; Pred. No. 0;
 Matches 2793; Conservative 0; Mismatches 3; Indels 99; Gaps 1;

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Db	186	AGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACAC	245
Qy	302	TCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGC	361
Db	246	TCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGC	305
Qy	362	CTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG	421
Db	306	CTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG	365
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Db	412	-----GAACTTCAAGATTCCTACCTGTTGCCCATCTCGGA	446
Qy	602	GGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGC	661
Db	447	GGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGC	506
Qy	662	TGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCC	721
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Qy	722	CATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTG	781
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Qy	782	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTT	841
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Qy	842	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	901
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Qy	902	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	961
Db	747	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	806
Qy	962	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCA	1021
Db	807	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCA	866

Qy	1022	CGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTC	1081
Db	867	CGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTC	926
Qy	1082	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	1141
Db	927	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	986
Qy	1142	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1201
Db	987	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1046
Qy	1202	TTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCTCCTCTGA	1261
Db	1047	TTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCTCCTCTGA	1106
Qy	1262	TAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCC	1321
Db	1107	TAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCC	1166
Qy	1322	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCCAGGGCCT	1381
Db	1167	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCCAGGGCCT	1226
Qy	1382	TGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1441
Db	1227	TGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1286
Qy	1442	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACCC	1501
Db	1287	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACCC	1346
Qy	1502	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCTC	1561
Db	1347	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCTC	1406
Qy	1562	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAAGTGTAGTGTCTATGAGAGCTGTGTGGACTG	1621
Db	1407	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAAGTGTAGTGTCTATGAGAGCTGTGTGGACTG	1466
Qy	1622	TGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCT	1681
Db	1467	TGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCT	1526
Qy	1682	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1741
Db	1527	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1586
Qy	1742	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1801
Db	1587	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1646
Qy	1802	AGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTT	1861
Db	1647	AGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTT	1706
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Db	1827	 AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGGCAGCCAGGACCAGAC	1886
Qy	2042	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGAC	2101
Db	1887	 CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGAC	1946
Qy	2102	CAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCAC	2161
Db	1947	 CAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCAC	2006
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Db	2007	 TGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCC	2066
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Db	2067	 ATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGA	2126
Qy	2282	GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2341
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Qy	2402	AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2461
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Qy	2462	GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2521
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Qy	2582	CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCCT	2641
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Qy	2642	ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2701
Db	2487	 ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2546
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RESULT 9

AX512887

LOCUS AX512887 2768 bp DNA linear PAT 03-OCT-2002

DEFINITION Sequence 35 from Patent WO02062841.

ACCESSION AX512887

VERSION AX512887.1 GI:23504046

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Tang,T.Y., Yue,H., Gandhi,A.R., Yao,M.G., Warren,B.A., Ding,L., Duggan,B.M., Xu,Y., Yang,J., Thangavelu,K., Lal,P.G., Honchell,C.D., Walia,N.K., Lee,S., Lee,E.A., Richardson,T.W., Baughn,M.R. and Elliott,V.S.

TITLE Secreted proteins

JOURNAL Patent: WO 02062841-A 35 15-AUG-2002;

Incyte Genomics, Inc. (US)

FEATURES

source Location/Qualifiers

1. .2768

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/mol_type="unassigned DNA"

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ORIGIN

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Matches 2580; Conservative 0; Mismatches 1; Indels 93; Gaps 1;

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Qy	134	CTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGCTGCCGACGACGAC	193
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Qy	614	GGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGA	673
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Qy	674	TGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGCCCATCCTGATGCG	733
Db	769	TGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGCCCATCCTGATGCG	828
Qy	734	CACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCTGGCTGCATCATGA	793
Db	829	CACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCTGGCTGCATCATGA	888
Qy	794	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	853
Db	889	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	948

Qy	854	AGCCAGCGAGTTTGGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	913
Db	949	AGCCAGCGAGTTTGGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	1008
Qy	914	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	973
Db	1009	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	1068
Qy	974	GCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTTGCT	1033
Db	1069	GCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTTGCT	1128
Qy	1034	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1093
Db	1129	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1188
Qy	1094	TGGCGGGACCCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1153
Db	1189	TGGCGGGACCCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1248
Qy	1154	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1213
Db	1249	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1308
Qy	1214	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGAC	1273
Db	1309	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGAC	1368
Qy	1274	CTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1333
Db	1369	CTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1428
Qy	1334	ATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAG	1393
Db	1429	ATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAG	1488
Qy	1394	CCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGG	1453
Db	1489	CCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGT-----	1539
Qy	1454	GGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACCCTGAACCTGTTG	1513
Db	1540	-----	1539
Qy	1514	CAACCTGCAGCTGGCCCCCAGCCAGGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTG	1573
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Qy	1574	GAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGGCCG	1633
Db	1576	GAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGGCCG	1635
Qy	1634	GGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAA	1693
Db	1636	GGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAA	1695
Qy	1694	CCTGAACCTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1753

Db	1696	 CCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1755
Qy	1754	CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGC	1813
Db	1756	 CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGC	1815
Qy	1814	TGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTA	1873
Db	1816	 TGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTA	1875
Qy	1874	TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	1933
Db	1876	 TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	1935
Qy	1934	CTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGGCAACTGAGAATGG	1993
Db	1936	 CTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGGCAACTGAGAATGG	1995
Qy	1994	CTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGA	2053
Db	1996	 CTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGA	2055
Qy	2054	TCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGG	2113
Db	2056	 TCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGG	2115
Qy	2114	TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCCT	2173
Db	2116	 TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCCT	2175
Qy	2174	CTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACT	2233
Db	2176	 CTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACT	2235
Qy	2234	CCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTT	2293
Db	2236	 CCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTT	2295
Qy	2294	AAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGA	2353
Db	2296	 AAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGA	2355
Qy	2354	CGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTG	2413
Db	2356	 CGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTG	2415
Qy	2414	CGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGAC	2473
Db	2416	 CGGTGCAGGCACCCGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGAC	2475
Qy	2474	AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2533
Db	2476	 AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2535
Qy	2534	TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA	2593

Db 2536 TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA 2595

Qy 2594 GCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTG 2653
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Db 2596 GCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTG 2655

Qy 2654 AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG 2713
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Db 2656 AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG 2715

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RESULT 10
 AX528271/c

LOCUS AX528271 2281 bp DNA linear PAT 21-NOV-2002

DEFINITION Sequence 9 from Patent WO0206339.

ACCESSION AX528271

VERSION AX528271.1 GI:25172573

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Spaderna,S.K., Tchernev,V., Liu,X., Shenoy,S., Spytek,K.,
 Zerhusen,B., Patturajan,M., Taupier,R.J., Rastelli,L., Grosse,W.M.,
 Szekeres,E.S., Alsobrook,J.I., Lepley,D.M., Shen,L., Burgess,C.E.,
 Shimkets,R.A. and Padigar,M.

TITLE Proteins and nucleic acids encoding same

JOURNAL Patent: WO 0206339-A 9 24-JAN-2002;

Curagen Corporation (US)

FEATURES

source

Location/Qualifiers

1. .2281

/organism="Homo sapiens"

/mol_type="unassigned DNA"

/db_xref="taxon:9606"

ORIGIN

Query Match 72.6%; Score 2281; DB 6; Length 2281;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2281; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGCTGCC 184
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Db 2281 CCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGCTGCC 2222

Qy 185 GACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATGCAGG 244
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Db 2221 GACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATGCAGG 2162

Qy 245 GGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCT 304
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Db 2161 GGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCT 2102

Qy	305	GCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTT	364
Db	2101	GCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTT	2042
Qy	365	GGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGA	424
Db	2041	GGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGA	1982
Qy	425	CAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTT	484
Db	1981	CAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTT	1922
Qy	485	CATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGCCTT	544
Db	1921	CATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGCCTT	1862
Qy	545	CAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGA	604
Db	1861	CAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGA	1802
Qy	605	CAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGT	664
Db	1801	CAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGT	1742
Qy	665	CTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCAT	724
Db	1741	CTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCAT	1682
Qy	725	CCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCT	784
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Qy	785	GCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTT	844
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Db	1501	AGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCT	1442
Qy	965	GAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGC	1024
Db	1441	GAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGC	1382
Qy	1025	GGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCA	1084
Db	1381	GGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCA	1322
Qy	1085	GTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACATTGA	1144
Db	1321	GTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACATTGA	1262
Qy	1145	ACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTA	1204

Db	1261	 ACGTGTCCTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTA	1202
Qy	1205	TAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAA	1264
Db	1201	 TAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAA	1142
Qy	1265	GGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCCT	1324
Db	1141	 GGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCCT	1082
Qy	1325	GCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGA	1384
Db	1081	 GCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGA	1022
Qy	1385	TGGGCACAGCCATCTTGTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGT	1444
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Qy	1445	GGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACCCTGA	1504
Db	961	 GGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACCCTGA	902
Qy	1505	ACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGG	1564
Db	901	 ACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGG	842
Qy	1565	AGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGT	1624
Db	841	 AGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGT	782
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Db	781	 CCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTC	722
Qy	1685	TGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATG	1744
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Qy	1745	TGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGA	1804
Db	661	 TGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGA	602
Qy	1805	AGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCTTGGC	1864
Db	601	 AGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCTTGGC	542
Qy	1865	CTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAA	1924
Db	541	 CTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAA	482
Qy	1925	TGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAAC	1984
Db	481	 TGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAAC	422
Qy	1985	TGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCT	2044

Db 421 TGAGAATGGCTTTTCATACCCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCT 362
 Qy 2045 GGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAG 2104
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 Db 361 GGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAG 302
 Qy 2105 GGTCACTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGT 2164
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 Db 301 GGTCACTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGT 242
 Qy 2165 CACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATT 2224
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 Db 241 CACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATT 182
 Qy 2225 GAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAA 2284
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 Db 181 GAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAA 122
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 Db 1 C 1

RESULT 11

AX528269

LOCUS AX528269 2271 bp DNA linear PAT 21-NOV-2002

DEFINITION Sequence 7 from Patent WO0206339.

ACCESSION AX528269

VERSION AX528269.1 GI:25172572

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Spaderna,S.K., Tchernev,V., Liu,X., Shenoy,S., Spytek,K.,
Zerhusen,B., Patturajan,M., Taupier,R.J., Rastelli,L., Grosse,W.M.,
Szekeres,E.S., Alsobrook,J.I., Lepley,D.M., Shen,L., Burgess,C.E.,
Shimkets,R.A. and Padigar,M.

TITLE Proteins and nucleic acids encoding same

JOURNAL Patent: WO 0206339-A 7 24-JAN-2002;

Curagen Corporation (US)

FEATURES

source

Location/Qualifiers

1. .2271

/organism="Homo sapiens"

/mol_type="unassigned DNA"

/db_xref="taxon:9606"

ORIGIN

Query Match 70.9%; Score 2228.4; DB 6; Length 2271;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2260; Conservative 0; Mismatches 11; Indels 15; Gaps 1;

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Qy      285 CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT 344
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Qy      345 CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATG 404
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Qy	1425	GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1484
Db	1321	 GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1380
Qy	1485	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCA	1544
Db	1381	 CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCA	1440
Qy	1545	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTAT	1604
Db	1441	 GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTAT	1500
Qy	1605	GAGAGCTGTGTGGACTGTGTCTTGTCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1664
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Qy	1665	CGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGG	1724
Db	1561	 CGACTCTGCTCTCT-----TAGGAACCTCCTGGAAGCAGGACATGGAGCGG	1605
Qy	1725	GGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGC	1784

Db 1606 GGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGC 1665

Qy 1785 CGCCCGCAAATCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC 1844
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Db 1666 CGCCCGCAAATCGTTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC 1725

Qy 1845 CCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA 1904
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Db 1726 CCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA 1785

Qy 1905 GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT 1964
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Db 1786 GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT 1845

Qy 1965 CTCTACCACTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTG 2024
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Db 1846 CTCTACCACTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTG 1905

Qy 2025 GACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCAT 2084
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Db 1906 GACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCAT 1965

Qy 2085 GTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTAC 2144
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Db 1966 GTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTAC 2025

Qy 2145 TGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATC 2204
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Db 2026 TGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATC 2085

Qy 2205 ATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAG 2264
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Db 2086 ATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAG 2145

Qy 2265 ACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAG 2324
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Db 2146 ACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAG 2205

Qy 2325 GAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTA 2384
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Db 2266 GCTTAA 2271

RESULT 12

AX879068

LOCUS AX879068 1838 bp DNA linear PAT 17-DEC-2003

DEFINITION Sequence 13973 from Patent EP1074617.

ACCESSION AX879068

VERSION AX879068.1 GI:40033804

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.

TITLE Primers for synthesising full-length cDNA and their use

JOURNAL Patent: EP 1074617-A 13973 07-FEB-2001;
Research Association for Biotechnology (JP)

FEATURES Location/Qualifiers

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ORIGIN

Query Match 58.4%; Score 1834.8; DB 6; Length 1838;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1836; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1299	GATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT	1358
Db	1	GATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT	60
Qy	1359	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	1418
Db	61	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	120
Qy	1419	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCATCTGGTGGAA	1478
Db	121	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCATCTGGTGGAA	180
Qy	1479	GAGATT CAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAG	1538
Db	181	GAGATT CAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAG	240
Qy	1539	GGTGCAGTGT TTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGT	1598
Db	241	GGTGCAGTGT TTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGT	300
Qy	1599	GTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCT	1658
Db	301	GTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCT	360
Qy	1659	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	1718
Db	361	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	420

Qy	1719	GAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	1778
Db	421	GAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	480
Qy	1779	CAGAGCCGCGCCGCAAATCATTAAGAAGTCCTGGCTGTCCCAACTCCATCCTGGAGCTC	1838
Db	481	CAGAGCCGCGCCGCAAATCATTAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTC	540
Qy	1839	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	1898
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Qy	1899	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	1958
Db	601	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	660
Qy	1959	GGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	2018
Db	661	GGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	720
Qy	2019	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	2078
Db	721	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	780
Qy	2079	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	2138
Db	781	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	840
Qy	2139	TCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCC	2198
Db	841	TCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCC	900
Qy	2199	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	2258
Db	901	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	960
Qy	2259	TGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCT	2318
Db	961	TGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCT	1020
Qy	2319	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACT	2378
Db	1021	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACT	1080
Qy	2379	GAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	2438
Db	1081	GAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	1140
Qy	2439	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	2498
Db	1141	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	1200
Qy	2499	CCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAG	2558
Db	1201	CCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAG	1260
Qy	2559	CAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGG	2618

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Db      1621 GGAAGTCTTCCCTGAAGTCTGACCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGAT 1680
QY      2979 CCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAG 3038
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Db      1681 CCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAG 1740
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RESULT 13

BD157628

LOCUS BD157628 1838 bp DNA linear PAT 17-JAN-2003

DEFINITION Primer for synthesizing full-length cDNA and use thereof.

ACCESSION BD157628

VERSION BD157628.1 GI:27863386

KEYWORDS JP 2002191363-A/12471.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1838)

AUTHORS Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.

TITLE Primer for synthesizing full-length cDNA and use thereof

JOURNAL Patent: JP 2002191363-A 12471 09-JUL-2002;

HELIX RESEARCH INSTITUTE

COMMENT OS Homo sapiens (human)
 PN JP 2002191363-A/12471
 PD 09-JUL-2002
 PF 28-JUL-2000 JP 2000280990
 PI TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,KOJI HAYASHI,KAORU
 PI SAITO,
 PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,
 PI KEIICHI NAGAI,TETSUJI OTSUKI
 PC
 C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/ PC
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 Primer for synthesizing full-length cDNA and use thereof FH Key
 Location/Qualifiers
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 source 1..1838
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 /db_xref="taxon:9606"

ORIGIN

Query Match 58.4%; Score 1834.8; DB 6; Length 1838;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1836; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1299	GATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT	1358
Db	1	GATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT	60
Qy	1359	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	1418
Db	61	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	120
Qy	1419	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAA	1478
Db	121	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAA	180
Qy	1479	GAGATTGAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAG	1538
Db	181	GAGATTGAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAG	240
Qy	1539	GGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGT	1598
Db	241	GGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGT	300
Qy	1599	GTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCT	1658
Db	301	GTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCT	360
Qy	1659	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	1718
Db	361	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	420
Qy	1719	GAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	1778
Db	421	GAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	480

Qy	1779	CAGAGCCGCGCCGCAAATCATTAAGAAGTCCTGGCTGTCCCAACTCCATCCTGGAGCTC	1838
Db	481	CAGAGCCGCGCCGCAAATCATTAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTC	540
Qy	1839	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	1898
Db	541	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	600
Qy	1899	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	1958
Db	601	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	660
Qy	1959	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	2018
Db	661	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	720
Qy	2019	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	2078
Db	721	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	780
Qy	2079	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	2138
Db	781	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	840
Qy	2139	TCCTACTGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCC	2198
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Qy	2199	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	2258
Db	901	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	960
Qy	2259	TGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCT	2318
Db	961	TGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCT	1020
Qy	2319	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACT	2378
Db	1021	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACT	1080
Qy	2379	GAGGTAGCTTAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	2438
Db	1081	GAGGTAGCTTAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	1140
Qy	2439	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	2498
Db	1141	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	1200
Qy	2499	CCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAG	2558
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Qy	2559	CAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTTAACAGGGTGG	2618
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Db	1321	GGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGT	1380
Qy	2679	TCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGC	2738
Db	1381	TCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGC	1440
Qy	2739	CTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGC	2798
Db	1441	CTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGC	1500
Qy	2799	CACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAG	2858
Db	1501	CACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAG	1560
Qy	2859	GGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCA	2918
Db	1561	GGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCA	1620
Qy	2919	GGAAGTCTTTCCTGAAGTCTGACCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGAT	2978
Db	1621	GGAAGTCTTTCCTGAAGTCTGACCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGAT	1680
Qy	2979	CCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAG	3038
Db	1681	CCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAG	1740
Qy	3039	CTGACCCCTTCACCTCTCCCCCTCCCTTTTCTTTGTTTTGGGATTTCAGAAACTGCTTG	3098
Db	1741	CTGACCCCTTCACCTCTCCCCCTCCCTTTTCTTTGTTTTGGGATTTCAGAAACTGCTTG	1800
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Db	1801	TCAGAGACTGTTTATTTTTTATTAAAAATATAAGGCTT	1838

RESULT 14

AK022349

LOCUS AK022349 1838 bp mRNA linear PRI 01-AUG-2002

DEFINITION Homo sapiens cDNA FLJ12287 fis, clone MAMMA1001771, moderately similar to M.musculus mRNA for semaphorin B.

ACCESSION AK022349

VERSION AK022349.1 GI:10433727

KEYWORDS oligo capping; fis (full insert sequence).

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Isogai,T., Ota,T., Hayashi,K., Sugiyama,T., Otsuki,T., Suzuki,Y., Nishikawa,T., Nagai,K., Sugano,S., Shiratori,A., Sudo,H., Wagatsuma,M., Hosoiri,T., Kaku,Y., Kodaira,H., Kondo,H., Sugawara,M., Takahashi,M., Chiba,Y., Ishida,S., Murakawa,K., Ono,Y., Takiguchi,S., Watanabe,S., Kimura,K., Murakami,K., Ishii,S., Kawai,Y., Saito,K., Yamamoto,J., Wakamatsu,A., Nakamura,Y., Nagahari,K., Masuho,Y., Ninomiya,K. and Iwayanagi,T.

TITLE NEDO human cDNA sequencing project
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 1838)
 AUTHORS Isogai,T. and Otsuki,T.
 TITLE Direct Submission
 JOURNAL Submitted (23-AUG-2000) Takao Isogai, Helix Research Institute,
 Genomics Laboratory; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
 (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)
 COMMENT NEDO human cDNA sequencing project supported by Ministry of
 International Trade and Industry of Japan; cDNA full insert
 sequencing: Research Association for Biotechnology; cDNA library
 construction, 5'- & 3'-end one pass sequencing and clone selection:
 Helix Research Institute (supported by Japan Key Technology Center
 etc.) and Department of Virology, Institute of Medical Science,
 University of Tokyo.
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ORIGIN

Query Match 58.4%; Score 1834.8; DB 9; Length 1838;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1836; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1299 GATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT 1358
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 Db 1 GATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT 60
 Qy 1359 GCAGTGGAGACAGCCAGGGCCTTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACC 1418
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 Qy 1419 ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAA 1478
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 Qy 1479 GAGATTTCAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAG 1538
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Qy	1539	GGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGT	1598
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Db	361	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	420
Qy	1719	GAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	1778
Db	421	GAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	480
Qy	1779	CAGAGCCGCCCCGAAATCATTAAGAAGTCTGGCTGTCCCCAACTCCATCCTGGAGCTC	1838
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Qy	1839	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	1898
Db	541	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	600
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Qy	2019	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGG	2078
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Db	781	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	840
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Db	841	TCCTACTGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCC	900
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Db      1081  |||||GAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG 1140
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QY      3039  CTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTG 3098
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QY      3099  TCAGAGACTGTTTATTTTATTTAAATAAATAAGGCTT 3136
Db      1801  |||||TCAGAGACTGTTTATTTTATTTAAATAAATAAGGCTT 1838

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RESULT 15

BC025800

LOCUS

BC025800

3159 bp

mRNA

linear

ROD 12-NOV-2003

DEFINITION

Mus musculus sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, mRNA

(cDNA clone MGC:35988 IMAGE:5102015), complete cds.

ACCESSION BC025800

VERSION BC025800.1 GI:19387926

KEYWORDS MGC.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 3159)

AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.

TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)

MEDLINE 22388257

PUBMED 12477932

REFERENCE 2 (bases 1 to 3159)

AUTHORS Strausberg,R.

TITLE Direct Submission

JOURNAL Submitted (11-MAR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA

REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>

COMMENT Contact: MGC help desk

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Jeffrey E. Green, M.D.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Genome Sequence Centre, BC Cancer Agency, Vancouver, BC, Canada

info@bcgsc.bc.ca

Steven Jones, Jennifer Asano, Ian Bosdet, Yaron Butterfield, Susanna Chan, Readman Chiu, Chris Fjell, Erin Garland, Ran Guin, Letticia Hsiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo Sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven Ness, Pawan Pandoh, Anna-Liisa Prabhu, Parvaneh Saeedi, Jacqueline Schein, Duane Smailus, Michael Smith, Lorraine Spence, Jeff Stott, Michael Thorne, Miranada Tsai, Natasja van den Bosch, Jill Vardy, George Yang, Scott Zuyderduyn, Marco Marra.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
 Series: IRAK Plate: 57 Row: j Column: 12
 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 7305468.

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FEATURES
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              VLTVPNSILELPCPHLSALASYHWSHGRAKISEASATVYNGSLLLLPQDGVGGGLYQCV
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ORIGIN

Query Match

56.0%; Score 1760; DB 10; Length 3159;

Best Local Similarity 76.7%; Pred. No. 0;
Matches 2356; Conservative 0; Mismatches 620; Indels 94; Gaps 13;

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Db      132 GAACCATCTGGTGACCATCTCAGGCTGACCATGGCCCTACCATCCCTGGGCCAGGACTCA 191

Qy      135 TGGAGCCTCCTGGGCCCTTTTCTCTTCCAAGTCTTCTGCTGCTGCCGACGACGACC 194
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Qy 2175 TTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTC 2234
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 Db 2469 GCAGAGCAAGCCACTGGCCTTGTTGGCTATGC----- 2500

Qy 2473 CAGCAGCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTG 2532
 ||| | | | || | |||| || ||||| || |||||
 Db 2501 ---CAGGCACAGTGCCACTCTGACCAGGGTAGGAGGCTCTCCTGCTAACGTGTGTACCT 2557

Qy 2533 ATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCA 2592
 | ||| ||| ||| ||||| ||||| ||||| ||||| |||
 Db 2558 ACAGCACCCAGTAGG-----TCCTCCCCTGTGGGACTCTCTTCTGCAA 2600

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 07:57:08 ; Search time 1158 Seconds
(without alignments)
11530.299 Million cell updates/sec

Title: US-10-015-391A-276
Perfect score: 3143
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3373863 seqs, 2124099041 residues

Total number of hits satisfying chosen parameters: 6747726

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_29Jan04:*
1: geneseqn1980s:*
2: geneseqn1990s:*
3: geneseqn2000s:*
4: geneseqn2001as:*
5: geneseqn2001bs:*
6: geneseqn2002s:*
7: geneseqn2003as:*
8: geneseqn2003bs:*
9: geneseqn2003cs:*
10: geneseqn2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query		DB	ID	Description
		Match	Length			
1	3143	100.0	3143	3	AAC58392	Aac58392 Human PRO
2	3143	100.0	3143	8	ACD68436	Acd68436 Novel hum
3	3143	100.0	3143	8	ACH04538	Ach04538 Human cDN
4	3143	100.0	3143	8	ACD68082	Acd68082 Novel hum
5	3143	100.0	3143	9	ADC18145	Adc18145 Human PRO
6	3143	100.0	3143	9	ADD70791	Add70791 Human cDN
7	3143	100.0	3143	9	ADD39868	Add39868 Human cDN

	8	3143	100.0	3143	9	ADD70314	Add70314	Human	cDN
	9	3143	100.0	3143	9	ADD38435	Add38435	Human	cDN
	10	3143	100.0	3143	9	ADD39391	Add39391	Human	cDN
	11	3143	100.0	3143	9	ADD38914	Add38914	Human	cDN
	12	3143	100.0	3143	9	ADD40345	Add40345	Human	cDN
	13	3143	100.0	3143	9	ADE50566	Ade50566	Human	cDN
	14	3143	100.0	3143	9	ADE20178	Ade20178	Human	cDN
	15	3143	100.0	3143	9	ADE50089	Ade50089	Human	cDN
	16	3143	100.0	3143	9	ADE21647	Ade21647	Human	cDN
	17	3131	99.6	3142	3	AAA37100	Aaa37100	Human	PRO
	18	3075	97.8	3075	4	AAF54397	Aaf54397	DNA	encod
	19	3041.4	96.8	3252	9	ADD67570	Add67570	Human	Ly6
	20	3040.8	96.7	3104	5	AAF45125	Aaf45125	Human	TAN
	21	3040.8	96.7	3104	7	ABX94103	Abx94103	cDNA	enco
	22	3040.8	96.7	3104	7	ACD66780	Acd66780	Secreted	
	23	3035.8	96.6	3191	3	AAC69084	Aac69084	Human	sec
	24	3029.8	96.4	3042	4	AAK53428	Aak53428	Human	pol
	25	3028.2	96.3	3042	7	ABX13628	Abx13628	Human	cyt
	26	2860.4	91.0	3146	7	ACC69002	Acc69002	Human	neu
	27	2682.2	85.3	2981	9	ADB62165	Adb62165	Human	cDN
	28	2476.4	78.8	2768	6	ABS64946	Abs64946	Human	cDN
	29	2437	77.5	2745	7	ACC68985	Acc68985	Human	neu
	30	2283	72.6	2283	5	AAF45126	Aaf45126	Human	TAN
	31	2283	72.6	2283	7	ACD66781	Acd66781	Secreted	
c	32	2281	72.6	2281	6	AAD28945	Aad28945	Human	MOL
c	33	2281	72.6	2281	9	ADD18199	Add18199	Human	mol
	34	2228.4	70.9	2271	6	AAD28944	Aad28944	Human	MOL
	35	2228.4	70.9	2271	9	ADD18197	Add18197	Human	mol
	36	2104.8	67.0	2238	7	ACC69003	Acc69003	Human	neu
	37	1834.8	58.4	1838	4	AAH15636	Aah15636	Human	cDN
	38	1727.6	55.0	3046	5	AAF45137	Aaf45137	Murine	se
	39	1727.6	55.0	3046	5	AAF45140	Aaf45140	Murine	DN
	40	1727.6	55.0	3046	7	ACD26369	Acd26369	Secreted	
	41	1727.6	55.0	3046	7	ACD26370	Acd26370	Secreted	
c	42	1714.8	54.6	1901	4	AAK53434	Aak53434	Human	pol
	43	1015.8	32.3	1674	6	ABK94920	Abk94920	Human	nov
	44	925.8	29.5	1730	6	ABS54021	Abs54021	cDNA	enco
	45	696.6	22.2	775	4	AAH04875	Aah04875	Human	cDN

ALIGNMENTS

RESULT 1

AAC58392

ID AAC58392 standard; cDNA; 3143 BP.

XX

AC AAC58392;

XX

DT 29-JAN-2001 (first entry)

XX

DE Human PRO1317 nucleotide sequence SEQ ID NO:70.

XX

KW Human; tumour; diagnosis; neoplastic disease; neoplastic cell growth;

KW proliferation; tumorigenesis; identification; cancer; cytostatic;

KW nootropic; neuroprotective; antiinflammatory; immunosuppressive;

KW immunostimulant; antiangiogenic; leukaemia; lymphoid malignancy;

KW neuronal disorder; glial disorder; astrocytal disorder; angiogenic;
 KW hypothalamic disorder; glandular disorder; macrophagal disorder;
 KW epithelial disorder; stromal disorder; blastocoelic disorder;
 KW inflammatory disorder; immunologic disorder; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200053755-A2.
 XX
 PD 14-SEP-2000.
 XX
 PF 06-JAN-2000; 2000WO-US000376.
 XX
 PR 08-MAR-1999; 99WO-US005028.
 PR 02-JUN-1999; 99WO-US012252.
 PR 23-JUN-1999; 99US-0141037P.
 PR 07-JUL-1999; 99US-0143048P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 30-NOV-1999; 99WO-US028313.
 PR 20-DEC-1999; 99WO-US030911.
 PR 05-JAN-2000; 2000WO-US000219.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hillan KJ, Roy MA;
 PI Watanabe CK, Wood WI;
 XX
 DR WPI; 2000-572270/53.
 DR P-PSDB; AAB24084.
 XX
 PT Thirty PRO polynucleotides encoding PRO polypeptides, useful in the
 PT treatment, diagnosis and prevention of cancer.
 XX
 PS Claim 50; Fig 51; 286pp; English.
 XX
 CC The present invention describes an isolated antibody that binds to one of
 CC the human PRO proteins designated PRO212, PRO290, PRO341, PRO535, PRO619,
 CC PRO717, PRO809, PRO830, PRO848, PRO943, PRO1005, PRO1009, PRO1025,
 CC PRO1030, PRO1097, PRO1107, PRO1111, PRO1153, PRO1182, PRO1184, PRO1187,
 CC PRO1281, PRO23, PRO39, PRO834, PRO1317, PRO1710, PRO2094, PRO2145 OR
 CC PRO2198. PRO antagonists can be used to inhibit tumour cell growth. The
 CC PRO polypeptides and nucleotides are useful in the treatment, diagnosis
 CC and prevention of cancer. The antibodies and other anti-tumour compounds
 CC maybe used to treat various conditions, including those characterised by
 CC overexpression and/or activation of the amplified PRO genes. Exemplary
 CC conditions or disorders to be treated with such antibodies and other
 CC compounds include benign or malignant tumours (e.g., renal, liver,
 CC kidney, bladder, breast, gastric, ovarian, colorectal, prostate,
 CC pancreatic, lung, vulva, thyroid, hepatic carcinomas, sarcomas,
 CC glioblastomas, and various head and neck tumours), leukaemias and
 CC lymphoid malignancies, other disorders such as neuronal, glial,
 CC astrocytal, hypothalamic and other glandular, macrophagal, epithelial,
 CC stromal and blastocoelic disorders, and inflammatory, angiogenic and
 CC immunologic disorders. AAC58242 to AAC58366 represent PCR primers and
 CC hybridisation probes used in the isolation of the human PRO sequences.
 CC AAC58367 to AAC58396 and AAB24057 to AAB24089 represent human PRO
 CC polynucleotide and protein sequences given in the exemplification of the

CC present invention

XX

SQ Sequence 3143 BP; 656 A; 963 C; 828 G; 696 T; 0 U; 0 Other;

Query Match 100.0%; Score 3143; DB 3; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC 60
      |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC 120
      |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180
      |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240
      |||
Db    181 TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
      |||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
      |||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
      |||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
      |||
Db    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCTGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
      |||
Db    481 ACTTCATCCGTGTCTGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG 600
      |||
Db    541 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG 660
      |||
Db    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG 660

Qy    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC 720
      |||
Db    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC 720

Qy    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT 780
```

Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	 CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCAGTGGAGACAGCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCAGTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620

Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460

Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 2

ACD68436

ID ACD68436 standard; cDNA; 3143 BP.

XX

AC ACD68436;

XX

DT 17-SEP-2003 (first entry)

XX
 DE Novel human secreted and transmembrane protein PRO1317 cDNA.
 XX
 KW Human; secreted and transmembrane protein; PRO; angiogenesis;
 KW endothelial cell proliferation; wound healing; immune response;
 KW T-lymphocytes proliferation; neonatal heart hypertrophy; tumour;
 KW cardiac insufficiency disorder; calcium flux; inflammation;
 KW vascular endothelial growth factor-stimulated proliferation;
 KW mammalian kidney mesangial cell proliferation; Berger disease;
 KW nephropathy; Schanlein-Henoch purpura; celiac disease; Crohn's disease;
 KW dermatitis herpetiformis; diabetes; haemoglobin switch; insulinaemia;
 KW pancreatic beta-cell precursor cell differentiation; thalassemias;
 KW obesity; auditory hair cell regeneration; hearing loss; bone disorder;
 KW cartilage disorder; sports injury; arthritis; gene; ss.
 XX
 OS Homo sapiens.
 XX
 PN US2003073130-A1.
 XX
 PD 17-APR-2003.
 XX
 PF 11-DEC-2001; 2001US-00015869.
 XX
 PR 01-SEP-1998; 98US-0098716P.
 PR 01-SEP-1998; 98US-0098723P.
 PR 01-SEP-1998; 98US-0098749P.
 PR 01-SEP-1998; 98US-0098750P.
 PR 02-SEP-1998; 98US-0098803P.
 PR 02-SEP-1998; 98US-0098821P.
 PR 02-SEP-1998; 98US-0098843P.
 PR 09-SEP-1998; 98US-0099536P.
 PR 09-SEP-1998; 98US-0099596P.
 PR 09-SEP-1998; 98US-0099598P.
 PR 09-SEP-1998; 98US-0099602P.
 PR 09-SEP-1998; 98US-0099642P.
 PR 10-SEP-1998; 98US-0099741P.
 PR 10-SEP-1998; 98US-0099754P.
 PR 10-SEP-1998; 98US-0099763P.
 PR 10-SEP-1998; 98US-0099792P.
 PR 10-SEP-1998; 98US-0099808P.
 PR 10-SEP-1998; 98US-0099812P.
 PR 10-SEP-1998; 98US-0099815P.
 PR 10-SEP-1998; 98US-0099816P.
 PR 15-SEP-1998; 98US-0100385P.
 PR 15-SEP-1998; 98US-0100388P.
 PR 15-SEP-1998; 98US-0100390P.
 PR 16-SEP-1998; 98US-0100584P.
 PR 16-SEP-1998; 98US-0100627P.
 PR 16-SEP-1998; 98US-0100661P.
 PR 16-SEP-1998; 98US-0100662P.
 PR 16-SEP-1998; 98US-0100664P.
 PR 17-SEP-1998; 98US-0100683P.
 PR 17-SEP-1998; 98US-0100684P.
 PR 17-SEP-1998; 98US-0100710P.
 PR 17-SEP-1998; 98US-0100711P.
 PR 17-SEP-1998; 98US-0100919P.
 PR 17-SEP-1998; 98US-0100930P.

PR	18-SEP-1998;	98US-0100848P.
PR	18-SEP-1998;	98US-0100849P.
PR	18-SEP-1998;	98US-0101014P.
PR	18-SEP-1998;	98US-0101068P.
PR	18-SEP-1998;	98US-0101071P.
PR	22-SEP-1998;	98US-0101279P.
PR	23-SEP-1998;	98US-0101471P.
PR	23-SEP-1998;	98US-0101472P.
PR	23-SEP-1998;	98US-0101474P.
PR	23-SEP-1998;	98US-0101475P.
PR	23-SEP-1998;	98US-0101476P.
PR	23-SEP-1998;	98US-0101477P.
PR	23-SEP-1998;	98US-0101479P.
PR	24-SEP-1998;	98US-0101738P.
PR	24-SEP-1998;	98US-0101741P.
PR	24-SEP-1998;	98US-0101915P.
PR	24-SEP-1998;	98US-0101916P.
PR	29-SEP-1998;	98US-0102207P.
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PR	29-SEP-1998;	98US-0102331P.
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PR	06-OCT-1998;	98US-0103449P.
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PR	07-OCT-1998;	98US-0103315P.
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PR	07-OCT-1998;	98US-0103395P.
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PR	20-OCT-1998;	98US-0105000P.
PR	20-OCT-1998;	98US-0105002P.
PR	21-OCT-1998;	98US-0105104P.
PR	22-OCT-1998;	98US-0105169P.
PR	22-OCT-1998;	98US-0105266P.
PR	26-OCT-1998;	98US-0105693P.
PR	26-OCT-1998;	98US-0105694P.
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PR	03-NOV-1998;	98US-0106856P.
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PR	10-NOV-1998;	98US-0107783P.
PR	17-NOV-1998;	98US-0108775P.
PR	17-NOV-1998;	98US-0108779P.
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PR	17-NOV-1998;	98US-0108788P.
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PR	17-NOV-1998;	98US-0108802P.
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PR	17-NOV-1998;	98US-0108807P.
PR	17-NOV-1998;	98US-0108867P.
PR	17-NOV-1998;	98US-0108925P.
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PR	18-NOV-1998;	98US-0108851P.
PR	18-NOV-1998;	98US-0108852P.
PR	18-NOV-1998;	98US-0108858P.
PR	18-NOV-1998;	98US-0108904P.
PR	22-DEC-1998;	98US-0113296P.
PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.
PR	16-APR-1999;	99US-0129674P.
PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145698P.
PR	01-SEP-1999;	99WO-US020111.
PR	15-SEP-1999;	99WO-US021194.
PR	29-OCT-1999;	99US-0162506P.
PR	30-NOV-1999;	99WO-US028313.
PR	02-DEC-1999;	99WO-US028551.
PR	16-DEC-1999;	99WO-US030095.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004342.
PR	24-FEB-2000;	2000WO-US005004.
PR	02-MAR-2000;	2000WO-US005841.
PR	15-MAR-2000;	2000WO-US006884.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	23-AUG-2000;	2000WO-US023522.
PR	24-AUG-2000;	2000WO-US023328.

PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
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PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.

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PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

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DR WPI; 2003-585293/55.

DR P-PSDB; ABO33660.

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PT Novel isolated PRO polypeptides e.g. PRO1130, PRO1275, PRO1418, PRO1555,
PT PRO1787 that modulate glucose or free fatty acid uptake by skeletal
PT muscle cells, and are useful for treating diabetes, hyper- or hypo-

Query Match 100.0%; Score 3143; DB 8; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420

Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	 CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	 GTGTCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160

Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000

Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 3

ACH04538

ID ACH04538 standard; cDNA; 3143 BP.

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AC ACH04538;

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DT 01-OCT-2003 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; vulnerary;
 KW cardiant; antidiabetic; anorectic; antiarthritic; angiogenesis; cancer;
 KW adrenal cortical capillary; endothelial cell growth; wound healing;
 KW stimulated T-lymphocyte proliferation; immune response suppression;
 KW neonatal heart hypertrophy; cardiac insufficiency disorder;
 KW vascular endothelial growth factor; inflammation; mononuclear cell;
 KW eosinophil; diabetes; obesity; or hyper-insulinaemia; hypo-insulinaemia;
 KW chondrocyte redifferentiation; bone disorder; cartilage disorder;
 KW sports injury; arthritis.

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OS Homo sapiens.

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PN US2003044841-A1.

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PD 06-MAR-2003.

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PF 06-DEC-2001; 2001US-00006856.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

PR 02-SEP-1998; 98US-0098843P.

PR 09-SEP-1998; 98US-0099536P.

PR 09-SEP-1998; 98US-0099596P.

PR 09-SEP-1998; 98US-0099598P.

PR 09-SEP-1998; 98US-0099602P.

PR 09-SEP-1998; 98US-0099642P.

PR 10-SEP-1998; 98US-0099741P.

PR 10-SEP-1998; 98US-0099754P.

PR 10-SEP-1998; 98US-0099763P.

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PR	10-SEP-1998;	98US-0099812P.
PR	10-SEP-1998;	98US-0099815P.
PR	10-SEP-1998;	98US-0099816P.
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PR	16-SEP-1998;	98US-0100627P.
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PR	24-SEP-1998;	98US-0101916P.
PR	29-SEP-1998;	98US-0102207P.
PR	29-SEP-1998;	98US-0102240P.
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PR	29-SEP-1998;	98US-0102330P.
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PR	02-OCT-1998;	98US-0102965P.
PR	06-OCT-1998;	98US-0103258P.
PR	06-OCT-1998;	98US-0103449P.
PR	07-OCT-1998;	98US-0103314P.
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PR	07-OCT-1998;	98US-0103328P.
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PR	08-OCT-1998;	98US-0103633P.
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PR	08-OCT-1998;	98US-0103711P.
PR	14-OCT-1998;	98US-0104257P.
PR	20-OCT-1998;	98US-0104987P.
PR	20-OCT-1998;	98US-0105000P.
PR	20-OCT-1998;	98US-0105002P.
PR	21-OCT-1998;	98US-0105104P.
PR	22-OCT-1998;	98US-0105169P.
PR	22-OCT-1998;	98US-0105266P.
PR	26-OCT-1998;	98US-0105693P.
PR	26-OCT-1998;	98US-0105694P.
PR	27-OCT-1998;	98US-0105807P.
PR	27-OCT-1998;	98US-0105881P.
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PR	18-NOV-1998;	98US-0108852P.
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PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.
PR	16-APR-1999;	99US-0129674P.
PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0144758P.

PR 26-JUL-1999; 99US-0145698P.
 PR 01-SEP-1999; 99WO-US020111.
 PR 15-SEP-1999; 99WO-US021194.
 PR 29-OCT-1999; 99US-0162506P.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 16-DEC-1999; 99WO-US030095.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 24-FEB-2000; 2000WO-US005004.
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 PR 15-MAR-2000; 2000WO-US006884.
 PR 17-MAY-2000; 2000WO-US013705.
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 PR 08-NOV-2000; 2000WO-US030952.
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 PR 01-MAR-2001; 2001WO-US006666.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 04-SEP-2001; 2001US-00946374.

XX

PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
 PI Williams PM, Wood WI;

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DR WPI; 2003-492259/46.

DR P-PSDB; ABO44513.

XX

PT Novel secreted and transmembrane polypeptides and polynucleotides
 PT encoding them useful for treating various cardiac insufficiency
 PT disorders, bone and/or cartilage disorders such as sports injuries and
 PT arthritis.

Query Match 100.0%; Score 3143; DB 8; Length 3143;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60
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 Db 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60
 Qy 61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
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 Db 61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
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Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
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Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960

Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Db	1801	 AAGAACTCCTGGCTGTCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700

Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTCAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTCAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
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RESULT 4

ACD68082

ID ACD68082 standard; cDNA; 3143 BP.

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AC ACD68082;

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DT 17-SEP-2003 (first entry)

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DE Novel human secreted and transmembrane protein PRO1317 cDNA.

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KW Human; secreted and transmembrane protein; PRO; gene therapy; vaccine;
 KW tissue typing; chromosome identification; vaccine; gene; ss.

XX

OS Homo sapiens.

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PN US2003073129-A1.

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PD 17-APR-2003.

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PF 04-SEP-2001; 2001US-00946374.

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PR 01-SEP-1998; 98US-0098716P.

PR	01-SEP-1998;	98US-0098723P.
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PR 17-NOV-1998; 98US-0108925P.
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PR 22-DEC-1998; 98US-00218517.
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PR 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021194.
PR 18-OCT-1999; 99US-00403297.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
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PR 01-JUN-2001; 2001WO-US017800.
PR 14-JUN-2001; 2001US-00882636.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.

XX

PA (GETH) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

XX

DR WPI; 2003-585292/55.

DR P-PSDB; ABO33537.

XX
PT Novel isolated PRO polypeptides e.g. PRO1491 and PRO1571, useful in the
PT preparation of a medicament for treating a condition responsive to PRO
PT polypeptide, and as therapeutic agents e.g. vaccines.
XX
PS Claim 2; Fig 157; 561pp; English.
XX
CC The invention describes an isolated PRO (secreted and transmembrane)
CC polypeptide (I), having at least 80% sequence identity to a sequence

Query Match 100.0%; Score 3143; DB 8; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660

Ov

Db

Qv

Db

Qv

Db

Qv

Db

Qv

Db

Ov

Db

Ov

Db

Ov

Db

Ov

Db

Ov

Db

Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCCTCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCCTCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500

Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400

Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

ADC18145

ID ADC18145 standard; cDNA; 3143 BP.

XX

AC ADC18145;

XX

DT 18-DEC-2003 (first entry)

XX

DE Human PRO polynucleotide #79.

XX

KW Human; PRO; gene; ss; protein electrophoresis; chromosome mapping;

KW gene mapping; genetic disorder.

XX

OS Homo sapiens.

XX

PN US2003064925-A1.

XX

PD 03-APR-2003.

XX

PF 10-DEC-2001; 2001US-00013907.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

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PR 16-SEP-1998; 98US-0100662P.

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PR	18-SEP-1998;	98US-0101068P.
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PR	23-SEP-1998;	98US-0101471P.
PR	23-SEP-1998;	98US-0101472P.
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PR	24-SEP-1998;	98US-0101916P.
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PR	21-OCT-1998;	98US-0105104P.
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PR 29-OCT-1998; 98US-0108500P.
PR 30-OCT-1998; 98US-0106464P.
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PR 17-NOV-1998; 98US-0108775P.
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PR 17-NOV-1998; 98US-0108925P.
PR 18-NOV-1998; 98US-0108848P.
PR 18-NOV-1998; 98US-0108849P.
PR 18-NOV-1998; 98US-0108850P.
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PR 18-NOV-1998; 98US-0108904P.
PR 22-DEC-1998; 98US-0113296P.
PR 30-DEC-1998; 98US-0114223P.
PR 05-JAN-1999; 99WO-US000106.
PR 16-APR-1999; 99US-0129674P.
PR 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021194.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.

Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGC	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGC	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAAGTGACACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAAGTGACACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200

Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCTTGGCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCTTGGCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Db	2881		TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061		TCCCTTTTCCTTTGTTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Db	3061		TCCCTTTTCCTTTGTTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Qy	3121		TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121		TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 6

ADD70791

ID ADD70791 standard; cDNA; 3143 BP.

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AC ADD70791;

XX

DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
 KW immune response; cardiac insufficiency disorder; calcium flux;
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003099625-A1.

XX

PD 29-MAY-2003.

XX

PF 12-DEC-2001; 2001US-00015386.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

PR 02-SEP-1998; 98US-0098843P.

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PR	22-DEC-1998;	98US-0113296P.
PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.

PR 16-APR-1999; 99US-0129674P.
 PR 23-JUN-1999; 99US-0141037P.
 PR 20-JUL-1999; 99US-0144758P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 01-SEP-1999; 99WO-US020111.
 PR 15-SEP-1999; 99WO-US021194.
 PR 29-OCT-1999; 99US-0162506P.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 16-DEC-1999; 99WO-US030095.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
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 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
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 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 04-SEP-2001; 2001US-00946374.

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PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
 PI Williams PM, Wood WI;

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DR WPI; 2003-874602/81.

DR P-PSDB; ADD70792.

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PT Novel isolated PRO polypeptides e.g., PRO1130, PRO1275, PRO1418, PRO1555,
 PT PRO1787 affect glucose or free fatty acid (FFA) uptake by skeletal muscle
 PT cells and are useful for treating diabetes or hyper- or hypo-insulinemia.

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PS Claim 2; SEQ ID NO 276; 553pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740

Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

QY	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
QY	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
QY	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
QY	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
QY	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
QY	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
QY	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
QY	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
QY	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
QY	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 7

ADD39868

ID ADD39868 standard; cDNA; 3143 BP.

XX

AC ADD39868;

XX

DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX
 OS Homo sapiens.
 XX
 PN US2003083462-A1.
 XX
 PD 01-MAY-2003.
 XX
 PF 10-DEC-2001; 2001US-00013913.
 XX
 PR 05-JAN-1999; 99WO-US000106.
 PR 01-SEP-1999; 99WO-US020111.
 PR 15-SEP-1999; 99WO-US021194.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 16-DEC-1999; 99WO-US030095.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 04-SEP-2001; 2001US-00946374.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
 PI Williams PM, Wood WI;
 XX
 DR WPI; 2003-755122/71.
 DR P-PSDB; ADD39869.
 XX
 PT New secreted and transmembrane PRO polypeptides useful for treating
 PT cancers, kidney disorders, Crohn's disease, diabetes mellitus, hyper- or
 PT hypo-insulinemia, sports injuries and arthritis.
 XX
 PS Claim 2; SEQ ID NO 276; 557pp; English.
 XX
 CC The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity

CC to an amino acid sequence chosen from 123 fully defined sequences as
 CC given in the specification (including their extracellular domains either
 CC or without their associated signal peptides. Also include are the
 CC nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a
 CC host cell comprising the vector, producing PRO, a chimaeric molecule
 CC comprising PRO fused to a heterologous amino acid sequence, and an anti-
 CC PRO antibody. Pro is useful as molecular weight markers for protein
 CC electrophoresis and also for chromosome identification. PRO is also
 CC useful for tissue typing. PRO and PRO NA are useful as hybridisation
 CC probes for a cDNA library to isolate the full-length PRO cDNA. PRO NA is
 CC useful for generating transgenic animals or knock-out animals which are
 CC useful in development and screening useful reagents. PRO NA is also
 CC useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are
 CC useful for treating cancerous tumours. PRO1250, PRO1418 and PRO1410
 CC polypeptides are useful for suppressing immune response. PRO1246
 CC polypeptide is useful for treating cardiac insufficiency disorders.
 CC PRO1246 polypeptide is also useful for treating tumours. PRO1246 and
 CC PRO1561 polypeptide are useful for stimulating calcium flux in human
 CC umbilical vein endothelial cells. PRO1265, PRO1250 and PRO1474
 CC polypeptides are useful for treating bone and/or cartilage disorders
 CC (e.g., arthritis) and wound healing. PRO1130, PRO1275 and PRO1418
 CC polypeptides are useful for treating diabetes in skeletal muscle cells
 CC and obesity. PRO1265, PRO1244 and PRO1382 polypeptides are useful for
 CC treating Berger disease or other nephropathies associated with Schonlein-
 CC Henoch purpura, coeliac disease, dermatitis, herpetiformis or Crohn's
 CC disease. PRO1478, PRO1265, PRO1412, PRO1279, PRO1304, PRO1306, PRO1418,
 CC PRO1410 and PRO1575 are useful in treating thalassaemias. The present
 CC sequence encodes a PRO protein of the invention.

XX

SQ Sequence 3143 BP; 656 A; 963 C; 828 G; 696 T; 0 U; 0 Other;

Query Match 100.0%; Score 3143; DB 9; Length 3143;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360

Db	301	CTCTGCTCCTGAGTGGTGATGGAAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200

Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCGTGTCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCGTGTCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Db	2881		TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061		TCCCTTTTCCTTTGTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Db	3061		TCCCTTTTCCTTTGTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Qy	3121		TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121		TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 8

ADD70314

ID ADD70314 standard; cDNA; 3143 BP.

XX

AC ADD70314;

XX

DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003054406-A1.

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PD 20-MAR-2003.

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PF 06-DEC-2001; 2001US-00006818.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

PR 02-SEP-1998; 98US-0098843P.

PR 09-SEP-1998; 98US-0099536P.

PR 09-SEP-1998; 98US-0099596P.

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XX

PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

XX

DR WPI; 2003-708344/67.

DR P-PSDB; ADD70315.

XX

PT Novel isolated PRO polypeptide useful for tissue typing, modulating
PT biological activity of cell, as molecular weight markers in protein
PT electrophoresis, for treating arthritis, tumor.

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PS Claim 2; SEQ ID NO 276; 549pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Db	1		GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61		ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61		ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121		TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121		TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181		TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181		TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421		GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421		GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Db	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740

Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 9

ADD38435

ID ADD38435 standard; cDNA; 3143 BP.

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AC ADD38435;

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DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX
OS Homo sapiens.
XX
PN US2003096955-A1.
XX
PD 22-MAY-2003.
XX
PF 07-DEC-2001; 2001US-00012755.
XX
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PR 10-SEP-1998; 98US-0099792P.
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PR 23-SEP-1998; 98US-0101476P.
PR 23-SEP-1998; 98US-0101477P.
PR 23-SEP-1998; 98US-0101479P.
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PR 17-NOV-1998; 98US-0108775P.
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PR 18-NOV-1998; 98US-0108852P.
PR 18-NOV-1998; 98US-0108858P.
PR 18-NOV-1998; 98US-0108904P.
PR 22-DEC-1998; 98US-0113296P.
PR 30-DEC-1998; 98US-0114223P.
PR 05-JAN-1999; 99WO-US000106.
PR 16-APR-1999; 99US-0129674P.
PR 23-JUN-1999; 99US-0141037P.
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PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
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PR 23-AUG-2000; 2000WO-US023522.
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PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.

XX

PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;

PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
 PI Williams PM, Wood WI;
 XX
 DR WPI; 2003-787000/74.
 DR P-PSDB; ADD38436.
 XX
 PT Novel isolated PRO polypeptide, useful for treating cancerous tumors,
 PT cardiac insufficiency disorders, wound healing, diabetes mellitus,
 PT thalassemias.
 XX
 PS Claim 2; SEQ ID NO 276; 556pp; English.
 XX
 CC The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity

Query Match 100.0%; Score 3143; DB 9; Length 3143;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600

Db	541	 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440

Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280

Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120

Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143
 |||
 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 10

ADD39391

ID ADD39391 standard; cDNA; 3143 BP.

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AC ADD39391;

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DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
 KW immune response; cardiac insufficiency disorder; calcium flux;
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

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PN US2003096954-A1.

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PD 22-MAY-2003.

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PF 07-DEC-2001; 2001US-00011671.

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PR 01-SEP-1998; 98US-0098716P.
 PR 01-SEP-1998; 98US-0098723P.
 PR 01-SEP-1998; 98US-0098749P.
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PR	21-OCT-1998;	98US-0105104P.
PR	22-OCT-1998;	98US-0105169P.
PR	22-OCT-1998;	98US-0105266P.
PR	26-OCT-1998;	98US-0105693P.

PR 26-OCT-1998; 98US-0105694P.
PR 27-OCT-1998; 98US-0105807P.
PR 27-OCT-1998; 98US-0105881P.
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PR 27-OCT-1998; 98US-0106062P.
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PR 28-OCT-1998; 98US-0106178P.
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PR 03-NOV-1998; 98US-0106905P.
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PR 03-NOV-1998; 98US-0106932P.
PR 03-NOV-1998; 98US-0106934P.
PR 10-NOV-1998; 98US-0107783P.
PR 17-NOV-1998; 98US-0108775P.
PR 17-NOV-1998; 98US-0108779P.
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PR 17-NOV-1998; 98US-0108807P.
PR 17-NOV-1998; 98US-0108867P.
PR 17-NOV-1998; 98US-0108925P.
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PR 05-JAN-1999; 99WO-US000106.
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PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
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PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
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PR 04-SEP-2001; 2001US-00946374.

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PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

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DR WPI; 2003-786999/74.

DR P-PSDB; ADD39392.

XX

PT Novel isolated PRO polypeptide useful for tissue typing, modulating
PT biological activity of cell, as molecular weight markers in protein
PT electrophoresis, for treating arthritis, tumor.

XX

PS Claim 2; SEQ ID NO 276; 550pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAAACGCAGCGGC	60
Qy	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240

Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140

Db	1081	 CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980

Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCCGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCCGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820

Qy	2821	AAGCTGCCGCTTTGGACACCAACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 11

ADD38914

ID ADD38914 standard; cDNA; 3143 BP.

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AC ADD38914;

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DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

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OS Homo sapiens.

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PN US2003092061-A1.

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PD 15-MAY-2003.

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PF 06-DEC-2001; 2001US-00007194.

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PR 01-SEP-1998; 98US-0098723P.

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PR	09-SEP-1998;	98US-0099536P.
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PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
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PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
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PR 02-JUN-2000; 2000WO-US015264.
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PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
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PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.

XX

PA (GETH) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

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DR WPI; 2003-765477/72.

DR P-PSDB; ADD38915.

XX

PT New isolated PRO polypeptide such as PRO1560, PRO444, PRO1018, PRO1773,
PT PRO1244, PRO1246, useful for treating cancerous tumors, cardiac
PT insufficiency disorders, wound healing, Crohn's disease, celiac disease.

XX

PS Claim 2; SEQ ID NO 276; 555pp; English.

XX

CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180
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Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
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Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
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Qy    301 CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
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Db    301 CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
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Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
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Db    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600
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Db    541 CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCGCTCACAAGCATACGG 660
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCGCTCACAAGCATACGG 660

Qy    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720

Qy    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780
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Db    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780
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Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGCGGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGCGGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680

Db	1621	 GTGTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520

Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
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Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 12

ADD40345

ID ADD40345 standard; cDNA; 3143 BP.

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AC ADD40345;

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DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
 KW immune response; cardiac insufficiency disorder; calcium flux;
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.
 XX
 OS Homo sapiens.
 XX
 PN US2003082627-A1.
 XX
 PD 01-MAY-2003.
 XX
 PF 06-DEC-2001; 2001US-00006117.
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 PR 02-SEP-1998; 98US-0098803P.
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PR 16-APR-1999; 99US-0129674P.
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PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021194.
PR 29-OCT-1999; 99US-0162506P.
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PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
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PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
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PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
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PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.

PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;
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DR WPI; 2003-755104/71.
DR P-PSDB; ADD40346.
XX
PT New isolated PRO polypeptides such as PRO1560, PRO444, PRO1018, PRO1773,
PT PRO1244, PRO1246, are useful for treating cancerous tumors and cardiac
PT insufficiency disorders.
XX
PS Claim 2; SEQ ID NO 276; 550pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480

Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220

Db	2161	 CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060

Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060

Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
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Db 3061 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120

Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143
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Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 13

ADE50566

ID ADE50566 standard; cDNA; 3143 BP.

XX

AC ADE50566;

XX

DT 29-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003069179-A1.

XX

PD 10-APR-2003.

XX

PF 11-DEC-2001; 2001US-00015393.

XX

PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

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PR	18-NOV-1998;	98US-0108904P.
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PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.
PR	16-APR-1999;	99US-0129674P.
PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0144758P.
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PR	15-SEP-1999;	99WO-US021194.
PR	29-OCT-1999;	99US-0162506P.
PR	30-NOV-1999;	99WO-US028313.
PR	02-DEC-1999;	99WO-US028551.

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PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.
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XX

PA (GETH) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

XX

DR WPI; 2003-708395/67.

DR P-PSDB; ADE50567.

XX

PT Novel secreted and transmembrane PRO polypeptides useful in the
PT preparation of a medicament for treating a condition responsive to PRO
PT polypeptide and as therapeutic agents e.g. vaccines.

XX

PS Claim 2; SEQ ID NO 276; 555pp; English.

XX

CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGCTGAGGCAC T GAGAGACCGAAAGCCTGGCATTC CAGAGGGAGGGAAACGCAGCGGC 60
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Db 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy 61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
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Db 61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

QY 121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCCACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
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Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020

Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAAGTGTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAAGTGTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760

Db	2701	 CAGAAACACAGTGTTC AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATT CAGAAAAC TGCTTGT CAGAGACTGTTTATTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATT CAGAAAAC TGCTTGT CAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 14

ADE20178

ID ADE20178 standard; cDNA; 3143 BP.

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AC ADE20178;

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DT 29-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003092883-A1.

XX

PD 15-MAY-2003.

XX

PF 10-DEC-2001; 2001US-00013430.

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PR	01-SEP-1998;	98US-0098716P.
PR	01-SEP-1998;	98US-0098723P.
PR	01-SEP-1998;	98US-0098749P.
PR	01-SEP-1998;	98US-0098750P.
PR	02-SEP-1998;	98US-0098803P.
PR	02-SEP-1998;	98US-0098821P.
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PR	09-SEP-1998;	98US-0099598P.
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PR	10-SEP-1998;	98US-0099816P.
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PR	26-OCT-1998;	98US-0105694P.
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PR	03-NOV-1998;	98US-0106934P.
PR	10-NOV-1998;	98US-0107783P.
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PR	17-NOV-1998;	98US-0108787P.
PR	17-NOV-1998;	98US-0108788P.
PR	17-NOV-1998;	98US-0108801P.
PR	17-NOV-1998;	98US-0108802P.
PR	17-NOV-1998;	98US-0108806P.
PR	17-NOV-1998;	98US-0108807P.

PR 17-NOV-1998; 98US-0108867P.
PR 17-NOV-1998; 98US-0108925P.
PR 18-NOV-1998; 98US-0108848P.
PR 18-NOV-1998; 98US-0108849P.
PR 18-NOV-1998; 98US-0108850P.
PR 18-NOV-1998; 98US-0108851P.
PR 18-NOV-1998; 98US-0108852P.
PR 18-NOV-1998; 98US-0108858P.
PR 18-NOV-1998; 98US-0108904P.
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PR 30-DEC-1998; 98US-0114223P.
PR 05-JAN-1999; 99WO-US000106.
PR 16-APR-1999; 99US-0129674P.
PR 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021194.
PR 29-OCT-1999; 99US-0162506P.
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PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
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PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 04-SEP-2001; 2001US-00946374.

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PA (GETH) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PM, Wood WI;

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DR WPI; 2003-765493/72.

DR P-PSDB; ADE20179.

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PT New isolated PRO polypeptide useful for tissue typing, modulating

PT biological activity of cell, as molecular weight markers in protein
PT electrophoresis, for treating arthritis and tumors.

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PS Claim 2; SEQ ID NO 276; 555pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720

Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560

Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400

Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 15

ADE50089

ID ADE50089 standard; cDNA; 3143 BP.

XX

AC ADE50089;
XX
DT 29-JAN-2004 (first entry)
XX
DE Human cDNA encoding secreted/transmembrane protein PRO1317.
XX
KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
KW immune response; cardiac insufficiency disorder; calcium flux;
KW umbilical vein endothelial cell; bone disorder; cartilage disorder;
KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;
KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.
XX
OS Homo sapiens.
XX
PN US2003082626-A1.
XX
PD 01-MAY-2003.
XX
PF 06-DEC-2001; 2001US-00006116.
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PR 05-JAN-1999; 99WO-US000106.
PR 12-APR-1999; 99US-00284291.
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PR 20-JUL-1999; 99US-0144758P.
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PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
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PR 24-FEB-2000; 2000WO-US005004.
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PR 15-MAR-2000; 2000WO-US006884.
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Db	421		GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
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Qy	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
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Qy	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
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Qy	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
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Qy	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
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Qy	961		TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
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Qy	1021		ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
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Qy	1081		CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
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Qy	1141		TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
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Qy	1201		CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260

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Qy 1381 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG 1440
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Qy 1501 CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT 1560
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Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAAGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAAGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
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Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

Search completed: May 13, 2004, 10:04:06
 Job time : 1169 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 09:33:13 ; Search time 212 Seconds
(without alignments)
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Title: US-10-015-391A-276
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Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	%		DB	ID	Description
		Query	Match Length			
1	230	7.3	2433	4	US-09-300-958A-24	Sequence 24, Appl
2	153.4	4.9	4157	4	US-08-556-422A-1	Sequence 1, Appli
3	126	4.0	3524	4	US-09-077-940A-3	Sequence 3, Appli
4	125.4	4.0	3692	4	US-09-077-940A-1	Sequence 1, Appli
5	102	3.2	2278	4	US-09-976-594-1002	Sequence 1002, Ap
6	98.6	3.1	121	4	US-09-833-381-202	Sequence 202, App
7	98.6	3.1	2790	4	US-09-254-594-5	Sequence 5, Appli
8	98.6	3.1	3432	4	US-09-254-594-4	Sequence 4, Appli
9	89.8	2.9	2787	4	US-09-254-594-2	Sequence 2, Appli
10	89.8	2.9	3195	4	US-09-254-594-1	Sequence 1, Appli
11	84.2	2.7	4286	4	US-09-976-594-632	Sequence 632, App

12	78.6	2.5	3560	1	US-08-121-713D-59	Sequence 59, Appl
13	78.6	2.5	3560	1	US-08-835-268-59	Sequence 59, Appl
14	78.6	2.5	3560	2	US-09-060-692-59	Sequence 59, Appl
15	78.6	2.5	3560	3	US-08-833-391-59	Sequence 59, Appl
16	78.6	2.5	3560	4	US-09-060-610-59	Sequence 59, Appl
17	78.6	2.5	3560	5	PCT-US94-10151A-59	Sequence 59, Appl
18	78.2	2.5	1923	4	US-09-653-274-12	Sequence 12, Appl
19	78.2	2.5	3261	4	US-09-653-274-5	Sequence 5, Appli
20	78.2	2.5	3694	4	US-09-653-274-3	Sequence 3, Appli
21	69.8	2.2	2670	1	US-08-121-713D-61	Sequence 61, Appl
22	69.8	2.2	2670	1	US-08-835-268-61	Sequence 61, Appl
23	69.8	2.2	2670	2	US-09-060-692-61	Sequence 61, Appl
24	69.8	2.2	2670	3	US-08-833-391-61	Sequence 61, Appl
25	69.8	2.2	2670	4	US-09-060-610-61	Sequence 61, Appl
26	69.8	2.2	2670	5	PCT-US94-10151A-61	Sequence 61, Appl
27	63.8	2.0	2601	1	US-08-121-713D-53	Sequence 53, Appl
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29	63.8	2.0	2601	2	US-09-060-692-53	Sequence 53, Appl
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33	62.6	2.0	7218	1	US-08-232-463-14	Sequence 14, Appl
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37	62	2.0	2854	3	US-08-833-391-57	Sequence 57, Appl
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41	50.2	1.6	2504	1	US-08-121-713D-63	Sequence 63, Appl
42	50.2	1.6	2504	1	US-08-835-268-63	Sequence 63, Appl
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44	50.2	1.6	2504	3	US-08-833-391-63	Sequence 63, Appl
45	50.2	1.6	2504	4	US-09-060-610-63	Sequence 63, Appl

ALIGNMENTS

RESULT 1

US-09-300-958A-24

; Sequence 24, Application US/09300958A

; Patent No. 6495319

; GENERAL INFORMATION:

; APPLICANT: McClelland, Michael

; APPLICANT: Welsh, John

; APPLICANT: Trenkle, Thomas

; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of

; TITLE OF INVENTION: Using Same

; FILE REFERENCE: P-PH 3457

; CURRENT APPLICATION NUMBER: US/09/300,958A

; CURRENT FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/083,331

; PRIOR FILING DATE: 1998-04-27

; PRIOR APPLICATION NUMBER: 60/098,070

; PRIOR FILING DATE: 1998-08-27

; PRIOR APPLICATION NUMBER: 60/118,624

; PRIOR FILING DATE: 1999-02-04
 ; NUMBER OF SEQ ID NOS: 85
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 24
 ; LENGTH: 2433
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-300-958A-24

Query Match 7.3%; Score 230; DB 4; Length 2433;
 Best Local Similarity 50.2%; Pred. No. 4.5e-51;
 Matches 906; Conservative 0; Mismatches 805; Indels 93; Gaps 10;

Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	53	CCCTTCTGCTGAGCCAGGATGGAAAGACGCTGTATGTGGGGGCCCCGAGAGGCCCTCTTTG	112
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCC---CAGGCTAAAGAACATGATACCGTGGCCAG	417
Db	113	CACTTAACAGCAACCTCAGCTTCTTGCCAGGCGGGGAGTACCAAGAGCTACTGTGGAGTG	172
Qy	418	CCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGT	477
Db	173	CAGATGCTGACAGGAAGCAGCAGTGCAGCTTCAAGGGCAAGGACCCAAAGCGTGACTGTC	232
Qy	478	TCAACTTCATCCGTGTCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCT	537
Db	233	AAACTACATCAAGATCCTCTGCCACTCAACAGCAGCCACCTGCTCACCTGTGGCACGG	292
Qy	538	TCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCT	597
Db	293	CCGCCTTCAGCCCCCTGTGTGCTTACATTACATAGCGAGCTTTACTTTAGCCCAAGATG	352
Qy	598	CGGAGGACAAGGTCAT-----GGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA	651
Db	353	AGGCCGGTAATGTCATTCTGGAGGATGGCAAGGGTCATTGTCCCTTTGACCCCAACTTCA	412
Qy	652	AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCTCTGG	711
Db	413	AGTCCACGGCTCTGGTGGTTGATGGTGAGCTGTACACTGGAACAGTCAGTAGCTTCCAGG	472
Qy	712	GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCAGCCTGTCTCAAGACCGACAAC	771
Db	473	GAAACGACCCAGCCATTTCCCGAGCCAGAGTTCCCGCCC---CACCAAGACTGAGAGCT	529
Qy	772	TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCG	831
Db	530	CCCTCAACTGGCTACAAGACCCTGCCTTTGTGGCCTCGGCTACGTCCCCCGAGAGCCTGG	589
Qy	832	-----TCTACTTCTTCTTCGAGGAGACAGCCAGCGAGT	864
Db	590	GCAGCCCCATAGGTGATGATGATAAGATCTACTTCTTCTTCAGCGAGACGGGCCAGGAGT	649
Qy	865	TTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGG	924
Db	650	TTGAGTTCTTTGAGAACACCATCGTGTCCCGAGTTGCCCGAGTCTGTAAGGGCGATGAGG	709

Qy 925 GCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCA 984
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 Db 710 GTGGAGAGCGGGTGTTCAGCAACGCTGGACCTCCTTTCTCAAGGCTCAGCTCCTGTGCT 769

Qy 985 CCCAGCCGGGGCA---GCTGCCCTTCAACGTTCATCCGCCACGCGGTCTGCTCCCCGCCG 1041
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 Db 770 CCCGGCCTGATGATGGCTTTCCCTTTAACGTGCTACAAGATGTCTTCACCCTGAACCCCA 829

Qy 1042 ATTCTCCACAGCTCCCCACATCTA-----CGCAGTCTTCACCTCCCAGTGGCAGGTTG 1095
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 Db 830 ACCCTCAGGATTGGCGCAAGACCCTTTCTATCGGGGTCTTTACCTCCCAGTGGCACAGAG 889

Qy 1096 GCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACATTGAACGTGTCTTTA 1155
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 Db 890 GGACCACAGAAGGCTCTGCCATCTGCGTCTTCACCATGAATGATGTGCAGAAGGCCTTTG 949

Qy 1156 AGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTG 1215
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 Db 950 ACGGCCTGTACAAGAAAGTAAACAGAGAGACACAGCAGTGGTATACCGAGACCCACCAGG 1009

Qy 1216 AGACCAACCCCGGCCAGGCAGTTG-----CT 1242
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Qy 1243 CAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATG 1302
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 Db 1070 CGTCCCTGCAGCTCCCAGACCGAGTGTGTAACCTTCCTCAAGGATCACTTCTTGATGGATG 1129

Qy 1303 AGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCGAG 1362
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 Db 1130 GGCAGGTCCGCAGTCGCTGCTGCTGCAGCCAGAGCCCGCTACCAGCGTGTGGCTG 1189

Qy 1363 TGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCA 1422
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 Db 1190 TGCACCGTGTGCCTGGCCTGCACAG---CACTTATGATGTCTATTTCTGGGCACTGGTG 1246

Qy 1423 CAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGA 1482
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 Db 1247 ATGGCCGCCTGCACAAAGCAGTG---ACCCTGAGCTCCAGAGTCCACATCATTGAGGAGC 1303

Qy 1483 TTCAGCTGTTCCCTGACCCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGAGGTTG 1542
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 Db 1304 TGCAGATCTTCCCTCAAGGACAGCCTGTGCAGAACCTGCTCTTGACAGCCATGGGGGAC 1363

Qy 1543 CAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCT 1602
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 Db 1364 TGTGTATGCCTCCTCCCATTCGCGGGTGGTGCAAGTGCCCGTAGCCAACTGCAGCCTGT 1423

Qy 1603 ATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGT 1662
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 Db 1424 ACCCAACCTGTGGAGACTGCCTCCTGGCTCGAGACCCCTACTGCGCCTGGACTGGCTCTG 1483

Qy 1663 CCCGAACCTGTGCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGC 1722
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 Db 1484 CCTGCAGGCTCGCTAGCCTCTACCAGCCTGATCTGGCCTCCAGGCCATGGACCCAGGACA 1543

Qy 1723 GGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGA 1782

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Db      1544 TTGAGGGTGCCAGTGTCAAGGAACCTCTGCAAGAATTCCTCATACAAGGCCCGGTTTCTTG 1603

Qy      1783 GCCGCCCCGCAATCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCT 1842
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Db      1604 TGCCAGGTAAGCCATGTAAACAAGTCCAGATCCAACCAAACACAGTGAACACCCTGGCCT 1663

Qy      1843 GCCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAG 1902
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Db      1664 GCCCACTCCTCTCAAACCTGGCCACTCGGCTCTGGGTGCACAATGGAGCCCCAGTCAATG 1723

Qy      1903 AAGCCTCTTCCACTGTCTA-----CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAG 1956
      | | | | |   |   | | | | | | | | | | | | | |
Db      1724 CCTCTGCCTCCTGCCGCGTGTACCCACCGGGGACCTGCTGCTGGTGGGCAGCCAGCAGG 1783

Qy      1957 TTGGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCT 2016
      |   | | | | | | | | | | | | | | | | | | | |
Db      1784 GTTTGGGGGTGTTCCAGTGTTGGTCGATAGAAGAAGGATTCCAGCAGCTTGTGGCCAGCT 1843

Qy      2017 ACTG 2020
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Db      1844 ACTG 1847

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RESULT 2

US-08-556-422A-1

; Sequence 1, Application US/08556422A

; Patent No. 6576754

; GENERAL INFORMATION:

; APPLICANT: HALL, Kathryn T.

; APPLICANT: FREEMAN, Gordon J.

; APPLICANT: SCHULTZE, Joachim L.

; APPLICANT: BOUSSIOTIS, Vassiliki

; APPLICANT: NADLER, Lee M.

; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING CD100 MOLECULES

; FILE REFERENCE: DFN-005CPA2

; CURRENT APPLICATION NUMBER: US/08/556,422A

; CURRENT FILING DATE: 1995-11-09

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 4157

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (88)...(2673)

US-08-556-422A-1

Query Match 4.9%; Score 153.4; DB 4; Length 4157;

Best Local Similarity 50.0%; Pred. No. 1.4e-30;

Matches 743; Conservative 0; Mismatches 636; Indels 108; Gaps 10;

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Qy      270 TTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACT 329
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Db      211 TTTATGAGCCAGACATCTACAACTACTCAGCCTTGCTGCTGAGCGAGGACAAGGACACC 270

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Qy 330 CTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCC 389
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 Db 271 TTGTACATAGGTGCCCGGGAGGC-----GGTCTTCGCTGTGAACGCACCTCAACATCTCC 324

Qy 390 AGGCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAGAGTGAATGTGCCTTT 449
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 Db 325 GAGAAGCAGCATGAGGTGTATTGGAAGGTCTCAGAAGACAAAAAGCAAAATGTGCAGAA 384

Qy 450 AAGAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAAT 509
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 Db 385 AAGGGGAAATCAAAACAGACAGAGTGCCTCAACTACATCCGGGTGCTGCAGCCACTCAGC 444

Qy 510 GTCACCCATCTCTACACCTGCGGCACCTTCGCCCTTCAGCCCTGCTTGTACCTTCATTGAA 569
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 Db 445 GCCACTTCCCTTTACGTGTGTGGGACCAACGCATTCCAGCCGGCTGTGACCACCTGAAC 504

Qy 570 CTTCAAGATTCCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAAGGCCAA 629
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 Db 505 TTAACATCCTTTAAGTTTCTGGGGAAAAATGAAGAT-----GGCAAAGGAAGA 552

Qy 630 AGCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCT 689
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 Db 553 TGTCCCTTTGACCCAGCACACAGCTACACATCCGTTCATGGTTGATGGAGAACTTTATTCTG 612

Qy 690 GGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAG 749
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Qy 750 CCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCA 809
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 Db 673 CCTCTGAGGACAGAATATGCAATCCCTTGGCTGAACGAGCCTAGTTTCGTGTTTGCTGAC 732

Qy 810 GCCATCCCTTCGACCCAGGTC-----GTCTACTTCTTCTTC 845
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 Db 733 GTGATCCGAAAAAGCCCAGACAGCCCCGACGGCGAGGATGACAGGGTCTACTTCTTCTTC 792

Qy 846 GAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGA 905
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 Db 793 ACGGAGGTGTCTGTGGAGTATGAGTTTGTGTTCAGGGTGCTGATCCCACGGATAGCAAGA 852

Qy 906 GTCTGCAAGAATGACGTGGGCGGCGAAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTG 965
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 Db 853 GTGTGCAAGGGGGACAGGGCGGCTGAGGACCTTGCAAGAAGAAATGGACCTCCTTCCTG 912

Qy 966 AAGGCCAGCTGCTCTGCACCCAGCCGG---GGCAGCTGCCCTTCAACGTCATCCGCCAC 1022
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 Db 913 AAAGCCCGACTCATCTGCTCCCGGCCAGACAGCGGCTTGGTCTTCAATGTGCTGCGGGAT 972

Qy 1023 GCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCC 1082
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Qy 1083 CAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACATT 1142
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 Db 1033 CAGCTGAACAACGTGGGGCTGTGCGCAGTGTGCGCCTACAACCTGTC---CACAGCCGAG 1089

Qy 1143 GAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAG-----AACTTCACGC 1193

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Qy      1194 TGGACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGC--- 1250
      |||      ||||      ||||| |      |||| || |||| ||      |||      | ||
Db      1150 TGGGTGCGCTATAATGGCCCGGTACCCAAGCCGCGGCCCTGGAGCGTGCATCGACAGCGAG 1209
Qy      1251 -----CCCTCCTCTGATAAGGCCCTGACCTTCATG 1280
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Db      1210 GCACGGGCCGCCAACTACACCAGCTCCTTGAATTTGCCAGACAAGACGCTGCAGTTCGTT 1269
Qy      1281 AAGGACCATTTCCTGATGGATGA-----GCAAGTGGTGGGGACGCCCCCTGCTGGTG 1331
      || |||||      ||||| |||||      | || |      | |||| | | |
Db      1270 AAAGACCACCTTTTGATGGATGACTCGGTAACCCCAATAGACAACAGGCCCAGGTTAATC 1329
Qy      1332 AAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCCTTGATGGGCAC 1391
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Db      1330 AAGAAAGATGTGAACACACCCAGATCGTGGTGGACCGGACCCAGGCCCTGGATGGGAGT 1389
Qy      1392 AGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGT 1451
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Db      1390 GTCATATGATGTCATGTTTGTGTCAGCACAGACCGGGGAGCTCTGCACAAAGCCATC---AGC 1446
Qy      1452 GGGGACAGCAGTGCTCATCTGGTGGAAAGAGATTTCAGCTGTTCCCTGACCCTGAACCTGTT 1511
      ||      | || ||| | | || |||| | |||| |||| ||| ||| || ||
Db      1447 CTCGAGCACGCTGTTTCATCATCTCGAGGAGACCCAGCTCTTCCAGGACTTTGAGCCAGTC 1506
Qy      1512 CGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGT-----AGGCTTCTCAGGA 1565
      | | ||||| |||| | | | |||| | |||| | |||
Db      1507 CAGACCTGCTGCTGTCTTCAAAGAAGGGCAACAGGTTTGTCTATGCTGGCTCTAACTCG 1566
Qy      1566 GGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTC 1625
      || ||      || || | ||| |||| | | | ||| | ||||| ||||
Db      1567 GGC GTGGTCCAGGCCCCGCTGGCCTTCTGTGGGAAGCACGGCACCTGCGAGGACTGTGTG 1626
Qy      1626 CTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTG 1672
      || || ||||| |||| ||||| ||| | ||||
Db      1627 CTGGCGCGGGACCCCTACTGCGCCTGGAGCCCGCCACAGCGACCTG 1673

```

RESULT 3

US-09-077-940A-3

; Sequence 3, Application US/09077940A

; Patent No. 6576441

; GENERAL INFORMATION:

; APPLICANT: KIMURA, Toru et al.

; TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME

; FILE REFERENCE: 0020-4426P

; CURRENT APPLICATION NUMBER: US/09/077,940A

; CURRENT FILING DATE: 1998-06-05

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 3

; LENGTH: 3524

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

```
; NAME/KEY: 5'UTR
; LOCATION: (1)..(38)
; OTHER INFORMATION:
; NAME/KEY: 3'UTR
; LOCATION: (2706)..(3524)
; OTHER INFORMATION:
; NAME/KEY: CDS
; LOCATION: (39)..(2702)
; OTHER INFORMATION:
US-09-077-940A-3
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Query Match          4.0%; Score 126; DB 4; Length 3524;
Best Local Similarity 55.3%; Pred. No. 2.5e-23;
Matches 315; Conservative 0; Mismatches 240; Indels 15; Gaps 3;
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```
Qy      450 AAGAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAAT 509
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      390 ATGAAGGGCAAACAGGAGGGCGAGTGTGCGAAACTTCGTAAAGGTGCTGCTCCTTCGGGAC 449

Qy      510 GTCACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAA 569
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      450 GAGTCCACGCTCTTTGTGTGCGGTTCCAACGCCTTCAACCCGGTGTGCGCCAACTACAGC 509

Qy      570 CTTCAAGATTCTTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAA 629
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      510 ATAGA-----CACCTGCAGCCCGTCGGAGACAA-----CATCAGCGGTATGGCCCGC 557

Qy      630 AGCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTGGTGGATGGGATGCTCTATTCT 689
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      558 TGCCCGTACGACCCCAAGCACGCCAATGTTGCCCTCTTCTCTGACGGGATGCTCTTCACA 617

Qy      690 GGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAG 749
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      618 GCTACTGTTACCGACTTCCTAGCCATTGATGCTGTCTATCTACCGCAGCCTCGGGGACAGG 677

Qy      750 CCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCA 809
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      678 CCCACCTGCGCACCGTGAAACATGACTCCAAGTGCTTCAAAGAGCCTTACTTTGTCCAT 737

Qy      810 GCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGAC 869
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      738 GCGGTGGAGTGGGGCAGCCATGTCTACTTCTTCTTCCGGGAGATTGCGATGGAGTTTAAC 797

Qy      870 TTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGC 929
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      798 TACCTGGAGAAGGTGGTGGTGTCCCGCGTGGCCGAGTGTGCAAGAACGACGTGGGAGGC 857

Qy      930 GAAAAGC---TGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCAGCTGCTCTGCACC 986
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      858 TCCCCCGCGTGCTGGAGAAGCAGTGGACGTCTTCCTGAAGGCGCGGCTCAACTGCTCT 917

Qy      987 CAGCCGGGGCAGCTGCCCTTCAACGTCATC 1016
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      918 GTACCCGGGAGACTCCCATTTCTACTTCAAC 947
```

RESULT 4

US-09-077-940A-1
; Sequence 1, Application US/09077940A
; Patent No. 6576441
; GENERAL INFORMATION:
; APPLICANT: KIMURA, Toru et al.
; TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME
; FILE REFERENCE: 0020-4426P
; CURRENT APPLICATION NUMBER: US/09/077,940A
; CURRENT FILING DATE: 1998-06-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3692
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)..(18)
; OTHER INFORMATION:
; NAME/KEY: CDS
; LOCATION: (19)..(2682)
; OTHER INFORMATION:
; NAME/KEY: 3'UTR
; LOCATION: (2683)..(3653)
; OTHER INFORMATION:
; NAME/KEY: polyA_site
; LOCATION: (3654)..(3692)
; OTHER INFORMATION:
US-09-077-940A-1

Query Match 4.0%; Score 125.4; DB 4; Length 3692;
Best Local Similarity 58.5%; Pred. No. 3.7e-23;
Matches 238; Conservative 0; Mismatches 166; Indels 3; Gaps 1;

Qy	611	CATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCCTTGGT	670
Db	522	CATCAGTGGTATGGCCCGCTGCCCTACGACCCCAAGCATGCCAATGTCGCCCTCTTCTC	581
Qy	671	GGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGAT	730
Db	582	AGATGGGATGCTCTTCACAGCCACAGTAACTGACTTCCTAGCCATCGACGCTGTTATCTA	641
Qy	731	GCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCA	790
Db	642	CCGTAGCCTTGGGGACCGGCCACACTGCGCACAGTAAAGCATGACTCCAAGTGGTTTAA	701
Qy	791	TGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGA	850
Db	702	AGAGCCATACTTTGTGCATGCGGTGGAGTGGGGAAGCCACGTCTACTTCTTCTCCGGGA	761
Qy	851	GACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTG	910
Db	762	GATCGCCATGGAGTTTAACTATCTGGAAAAGGTGGTGGTGTCCCGTGTGGCCCGTGTATG	821
Qy	911	CAAGAATGACGTGGGCGG---CGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAA	967
Db	822	CAAGAATGATGTGGGCGGCTCCACGGGTGCTGGAGAAGCAGTGGACTTCCTTCCTGAA	881

Qy 968 GGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA 1014
 ||||| ||| |||| || ||| ||| | |||| || |||
 Db 882 GGCCCGGCTCAACTGCTCCGTGCCTGGGGACTCACACTTCTACTTCA 928

RESULT 5

US-09-976-594-1002

; Sequence 1002, Application US/09976594

; Patent No. 6673549

; GENERAL INFORMATION:

; APPLICANT: Furness, Michael

; APPLICANT: Buchbinder, Jenny

; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

; FILE REFERENCE: PA-0041 US

; CURRENT APPLICATION NUMBER: US/09/976,594

; CURRENT FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240,409

; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 1143

; SOFTWARE: PERL Program

; SEQ ID NO 1002

; LENGTH: 2278

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. 6673549 411373.7

US-09-976-594-1002

Query Match 3.2%; Score 102; DB 4; Length 2278;

Best Local Similarity 50.0%; Pred. No. 4.9e-17;

Matches 339; Conservative 0; Mismatches 330; Indels 9; Gaps 3;

Qy 618 GGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGG 677
 |||| | | | |||| | ||| || | | | |||||
 Db 761 GGAATGGCCAGATGCCCATATGATGCCAAACATGCCAACGTTGCACTGTTTGACAGATGGA 820

Qy 678 ATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACA 737
 | || || || | | ||| ||||| | | ||| | || | |||
 Db 821 AAATACTACTCAGCCACAGTGACTGACTTCCTTGCCATTGACGCACTCATTTACCGGAGT 880

Qy 738 CTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCC 797
 || ||| ||| ||| |||| ||| | | ||| |
 Db 881 CTTGGAGAAAGCCCTACCTGCGGACCGTCAAGCACGATTCAAAATGGTTGAAAGAACCA 940

Qy 798 TCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCC 857
 | ||||| |||| | || | ||||| ||||| ||| |||
 Db 941 TACTTTGTTCAAGCCGTGGATTACGGAGATTATATCTACTTCTTCTTCAGGGAAATAGCA 1000

Qy 858 AGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAAT 917
 |||| | || | | | | | | ||||| ||| |||||
 Db 1001 GTGGAGTATAACACCATGGGAAAGGTAGTTTTCCTCAAGAGTGGCTCAGGTTTGTAAAGAAT 1060

Qy 918 GACGTGGGCGG---CGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCCAG 974
 || |||| || ||| | ||| |||| | ||||| |||||

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Db      1061 GATATGGGAGGATCTCAAAGAGTCCTGGAGAAACAGTGGACGTCGTTCCCTGAAGGCGCGC 1120
Qy      975 CTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTC 1034
      || |||| | || | | || | || | || | || | || |
Db     1121 TTGAAC TGCTCAGTTCCTGGAGACTCTCATTTTTATTTCAACATTCTCCAGGCAGTTACA 1180
Qy     1035 CCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTT 1094
      | | | | | | | | | | | | | | | | | |
Db     1181 GATGTGATTTCGTATCAACGGGCGTGATGT---TGTCCTGGCAACGTTTTCTACACCTTAT 1237
Qy     1095 GCGGGGACCAGGAGCTCTGCGGTTTGTGCCCTTCTCTCTCTTGACATTGAACGTGTCTTT 1154
      | | | | | |||| | |||| | | | |||| | || | ||
Db     1238 AACAGCATCCCTGGGTCTGCAGTCTGTGCCCTATGACATGCTTGACATTGCCAGTGTTTTT 1297
Qy     1155 AAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC---TTATAGGGGC 1211
      | |||| | | || | | || | || | |||| | | | |
Db     1298 ACTGGGAGATTCAAGGAACAGAAGTCTCCTGATTCCACCTGGACACCAGTTCCTGATGAA 1357
Qy     1212 CCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTG 1271
      | | | | || |||| | || | | |||| | | |
Db     1358 CGAGTTCCTAAGCCCAGGCCAGGTTGCTGTGCTGGCTCATCCTCCTTAGAAAGATATGCA 1417
Qy     1272 ACCTTCATGAAGGACCAT 1289
      |||| | | || | |
Db     1418 ACCTCCAATGAGTTCCT 1435

```

RESULT 6

US-09-833-381-202

; Sequence 202, Application US/09833381

; Patent No. 6672186

; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.

; TITLE OF INVENTION: No. 6672186e1 Nucleic Acid and Protein Homologs

; FILE REFERENCE: 5800-119

; CURRENT APPLICATION NUMBER: US/09/833,381

; CURRENT FILING DATE: 2001-04-11

; PRIOR APPLICATION NUMBER: 09/516,448

; PRIOR FILING DATE: 2000-02-29

; NUMBER OF SEQ ID NOS: 2050

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 202

; LENGTH: 121

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-833-381-202

```

Query Match          3.1%; Score 98.6; DB 4; Length 121;
Best Local Similarity 88.4%; Pred. No. 9e-17;
Matches 107; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy      794 CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC 853
      ||||| ||||| || ||||| ||||| | || ||||| |||||
Db      1   CGCCTCCTTTGTGGAAGACATCCCTTCTACCCACGGCGCCTACTTCTTCTTCAGGAGAC 60

Qy      854 AGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA 913
      ||||| ||||| ||||| ||||| ||||| || ||||| |||||

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Db 61 AGCCAGCGAGTTAGACTCTTTTGAGAGGCTCCACACATAATGGTTGGCTAGAGTCTGCAA 120
Qy 914 G 914
|
Db 121 G 121

RESULT 7

US-09-254-594-5

; Sequence 5, Application US/09254594
; Patent No. 6566094
; GENERAL INFORMATION:
; APPLICANT: KIMURA, Toru
; APPLICANT: KIKUCHI, Kaoru
; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y
; FILE REFERENCE: 0020-4527P
; CURRENT APPLICATION NUMBER: US/09/254,594
; CURRENT FILING DATE: 1999-05-11
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 2790
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Tissue Type: Child Brain
; NAME/KEY: CDS
; LOCATION: (1)..(2790)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Identification Method: P for resulting peptide
US-09-254-594-5

Query Match 3.1%; Score 98.6; DB 4; Length 2790;
Best Local Similarity 50.1%; Pred. No. 4.3e-16;
Matches 369; Conservative 0; Mismatches 344; Indels 24; Gaps 4;

Qy 472 AGTGTTCCTCACTTCATCCGTGCTGCTGTTTCTTACAAATGTCACCCATCTCTACACCTGCG 531
||||| ||||| || ||||| || ||| | | | ||| |||||
Db 359 AGTGCTACAACCTATATTCGTGTTCTTGTTCCCTGGGACTCCCAGACGCTCCTTGCCTGTG 418

Qy 532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGC 591
| || | | ||||| || | | | | | | |||
Db 419 GAACGAACTCATTCAGCCCTGTGTGCCGAGCTATGGGAT-----AACTTCGC 466

Qy 592 CCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651
||||| ||| || || | | | ||||| || | |||
Db 467 TGCAGCAGGAGGGTGAGGAACTGAGTGGGCAGGCTCGATGCCCTTTGATGCCACCCAGT 526

Qy 652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711
| ||| |||| | || || | || || | || |||||
Db 527 CCAACGTGGCCATCTTGCAGAGGGCAGCCTGTACTCAGCCACAGCTGCGGATTTCAGG 586

Qy 712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771


```

; NAME/KEY: 5'UTR
; LOCATION: (1)..(187)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: misc_feature
; LOCATION: (188)..(2977)
; OTHER INFORMATION: CDS; Identification Method: E
; NAME/KEY: 3'UTR
; LOCATION: (2978)..(3407)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: polyA_signal
; LOCATION: (3408)..(3432)
; OTHER INFORMATION: Identification Method: E
US-09-254-594-4

```

```

Query Match          3.1%; Score 98.6; DB 4; Length 3432;
Best Local Similarity 50.1%; Pred. No. 4.8e-16;
Matches 369; Conservative 0; Mismatches 344; Indels 24; Gaps 4;

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```

Qy      472 AGTGTTCCTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
      |||| | |||| | | |||| | | || | | | | | || | |||| |
Db      546 AGTGCTACAACATATTCGTGTTCTTGTTCCTGGGACTCCAGACGCTCCTTGCCCTGTG 605

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591
      | || | | | |||| || | | | | | | | | | | | | | |
Db      606 GAACGAACTCATTCAGCCCTGTGTGCCGCAGCTATGGGAT-----AACTTCGC 653

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651
      |||| | || | | | | | | | | | | | | | | | | |
Db      654 TGCAGCAGGAGGGTGAGGAACAGTGGGAGGCTCGATGCCCTTTGATGCCACCCAGT 713

Qy      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGG 711
      | || | |||| | | | | | | | | | | | | | | | |
Db      714 CCAACGTGGCCATCTTTGCAGAGGGCAGCCTGTACTCAGCCACAGCTGCCGATTTCCAGG 773

Qy      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771
      |||| | | | | | | | | | | | | | | | | | | |
Db      774 CCAGTGATGCTGTAGTTTACAGAAGCCTTGGGCCCCAGCCCCACTCCGCTCCGCCAAGT 833

Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCG 831
      | | | | | | | | | | | | | | | | | | | | |
Db      834 ATGACTCCAAGTGGCTCCGAGAGCCACACTTTGTCCAGGCCTTGGAGCATGGAGACCATG 893

Qy      832 TCTACTTCTTCTTCGAGGAGACAGCCAGCAGTTTGACTTCTTTGAGAGGCTCCACACAT 891
      |||| |||| || | | | | | | | | | | | | | | |
Db      894 TCTACTTCTTCTTCCGCGAGGTCTCTGTGGAGGATGCTCGGCTGGGGAAGGTGCAGTTCT 953

Qy      892 CGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGAAGA 948
      | | | | | | | | | | | | | | | | | | | | |
Db      954 CCCGCGTAGCCCGAGTATGTAAACGTGACATGGGCGGCTCGCCTCGGGCCTTGGACCGCC 1013

Qy      949 AGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCA 1008
      | |||| | |||| || | | | | | | | | | | | |
Db      1014 ACTGGACATCCTTCCTGAAGCTTCGGCTCAACTGCTCTGTCCCTGGGGACTCTACTTTCT 1073

Qy      1009 A---CGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCT 1065
      | | | | | | | | | | | | | | | | | | | | |
Db      1074 ATTTTGATGTTTTACAGGCCTTGACTGGGCCTGTGAACCTGCATGGCCGCTCTGCTCTCT 1133

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```
Qy      472 AGTGTTCACACTCATCCGCGCTGGTTTCCTACAATGTCAACCATTCTCTACACCTGC 531  
        | | | | ||||| |||||||| | | || | |   |           |||       ||| |  
Db      356 AATGCTACAAGTACATCCGCGTTCTTGTTCCCTGGGAATCGCAGAACTCCTTGCGCTGTG 415  
  
Qy      532 GCACCTTCGCCCTTCAGCCCTGCTTGTACCTTCATTGAAGTTCAAGATTCTACCTGTTGC 591  
        | | |         ||||||||| ||| | | | | |   | | |   | |  
Db      416 GAACAAATTCCTTCAGCCCTGTGTGTCGCAGCTATGGGATAACATCTCTGCAAC----- 469  
  
Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAGCCCCCTTTGACCCCGCTCAC 651  
          |||||    |||     ||  || || | | | | | | | | |
```

```

Db      470 -----AGGAGGGTGAGGAGCTGAGTGGGCAAGCTCGATGCCCCCTTTGATGCCACCCAGT 523
QY      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      524 CCACTGTGGCCATCTCTGCAGAGGGTAGTTTGTACTCAGCCACAGCAGCAGATTTCCAGG 583
QY      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAAC 771
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      584 CCAGTGATGCTGTGGTTTACAGAAGCCTTGACCTCAGCCCCCACTCCGTTCTGCAAAGT 643
QY      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCAT---CCCTTCGACCCAGG 828
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      644 ATGACTCCAAGTGGCTTCGAGAGCCACACTTTGTCTATGCTTTGGAGCATGGAGACCATG 703
QY      829 TCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACA 888
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      704 TCTACTTCTTTCTTCCGGAGAAGTCTCTGTGGAGGACGCCCCGGCCTGGGGAGGGTGCAGT 763
QY      889 CATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGA 945
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      764 TTTCCCGGGTGGCCCGGGTGTGTAAACGTGACATGGGTGGCTCACCACGGGCTTGGATC 823
QY      946 AGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCT 1005
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      824 GCCACTGGACATCCTTCCTTAAGCTGAGGCTCAACTGCTCCGTCCCTGGGGACTCTACCT 883
QY      1006 TCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACATCT 1065
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      884 TCTAC-TTTGATGTCTTACAGTCCTTAAGTGGGCCTGTGAACCTGCATGGGCGCTCTGC- 941
QY      1066 ACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT 1125
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      942 -CCTCTTTGGGGTCTTCACTACTCAGACCAATAGCATTCCTGGGTCTGCAGTCTGCGCCT 1000
QY      1126 TCTCTCTCTTGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAA 1185
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      1001 TCTACCTAGATGACATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGG 1060
QY      1186 CTTACGCTGGACTACT 1202
      | | | | | | | |
Db      1061 ATGGGGCCTGGACTCCT 1077

```

RESULT 10

US-09-254-594-1

; Sequence 1, Application US/09254594

; Patent No. 6566094

; GENERAL INFORMATION:

; APPLICANT: KIMURA, Toru

; APPLICANT: KIKUCHI, Kaoru

; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y

; FILE REFERENCE: 0020-4527P

; CURRENT APPLICATION NUMBER: US/09/254,594

; CURRENT FILING DATE: 1999-05-11

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1


```

; LENGTH: 3195
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Tissue Type: Brain
; NAME/KEY: 5'UTR
; LOCATION: (1)..(50)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: misc_feature
; LOCATION: (51)..(2837)
; OTHER INFORMATION: CDS; Identification Method: E
; NAME/KEY: 3'UTR
; LOCATION: (2838)..(3195)
; OTHER INFORMATION: Identification Method: E
US-09-254-594-1

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Query Match          2.9%; Score 89.8; DB 4; Length 3195;
Best Local Similarity 50.1%; Pred. No. 1e-13;
Matches 369; Conservative 0; Mismatches 347; Indels 21; Gaps 5;

```

```

Qy      472 AGTGTTCCTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
      | || | ||||| ||||| || || | | | || |||||
Db      406 AATGCTACAACCTACATCCGTGTTCTTGTTCCTGGGACTCGCAGACACTCCTTGCCTGTG 465

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591
      | || | ||||| ||||| || | | | | | | | |
Db      466 GAACAAATTCCTTCAGCCCTGTGTGTGTCGAGCTATGGGATAACATCTCTGCAAC----- 519

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACA 651
      ||||| ||| || || || | | ||||| || | ||
Db      520 -----AGGAGGGTGAGGAGCTGAGTGGGCAAGCTCGATGCCCCCTTTGATGCCACCCAGT 573

Qy      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711
      | ||| ||| | || || | || || | || |||||
Db      574 CCACTGTGGCCATCTCTGCAGAGGGTAGTTTGTACTCAGCCACAGCAGCAGATTTCAGG 633

Qy      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771
      ||||| | | | | || || || || || || || || ||
Db      634 CCAGTGATGCTGTGGTTTACAGAAGCCTTGGACCTCAGCCCCCACTCCGTTCTGCAAAGT 693

Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCAT---CCCTTCGACCCAGG 828
      | | | || || || | ||||| || | | | |||||
Db      694 ATGACTCCAAGTGCTTCGAGAGCCACACTTTGTCTATGCTTTGGAGCATGGAGACCATG 753

Qy      829 TCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACA 888
      || || ||| | ||| || | | | | | ||||| ||
Db      754 TCTACTTCTTCTTCGCGAGAAGTCTCTGTGGAGGACGCGCGGCTGGGGAGGGTGCAGT 813

Qy      889 CATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGA 945
      || ||||| | || || || ||||| ||||| || | |||
Db      814 TTTCCCGGGTGGCCCGGGTGTGTAAACGTGACATGGGTGGCTCACCACGGGCTTGGATC 873

Qy      946 AGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCT 1005
      | ||||| ||||| || | || || || || || || ||
Db      874 GCCACTGGACATCCTTCCTTAAGCTGAGGCTCAACTGCTCCGTCCCTGGGGACTCTACCT 933

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Qy      1006 TCAACGTCATCCGCCACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCT 1065
          || || |      | |      | |||| |      | || |      | || |
Db      934 TCTAC-TTTGATGTCCTTACAGTCCTTAAC TGGGCCTGTGAACCTGCATGGGCGCTCTGC- 991

Qy      1066 ACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT 1125
          |      |      || |      |||      | |      | |||| | || || ||
Db      992 -CCTCTTTGGGGTCTTCACTACTCAGACCAATAGCATTCCTGGGTCTGCAGTCTGCGCCT 1050

Qy      1126 TCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAA 1185
          ||| ||      ||||| ||||| |||| | | ||| ||| || |
Db      1051 TCTACCTAGATGACATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGG 1110

Qy      1186 CTTCACGCTGGACTACT 1202
          |      ||||| ||
Db      1111 ATGGGGCCTGGACTCCT 1127

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RESULT 11

US-09-976-594-632

; Sequence 632, Application US/09976594

; Patent No. 6673549

; GENERAL INFORMATION:

; APPLICANT: Furness, Michael

; APPLICANT: Buchbinder, Jenny

; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

; FILE REFERENCE: PA-0041 US

; CURRENT APPLICATION NUMBER: US/09/976,594

; CURRENT FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240,409

; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 1143

; SOFTWARE: PERL Program

; SEQ ID NO 632

; LENGTH: 4286

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. 6673549 238322.6

US-09-976-594-632

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Query Match          2.7%; Score 84.2; DB 4; Length 4286;
Best Local Similarity 50.3%; Pred. No. 3.6e-12;
Matches 273; Conservative 0; Mismatches 253; Indels 17; Gaps 2;

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Qy      472 AGTGTTCCTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
          |||| | |||| | || |||| | || | |      | ||      |||| |
Db      611 AGTGCTACAACCTATATTCGTGTTCTTGTTCCTGGGACTCCCAGACGCTCCTTGCCTGTG 670

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591
          | ||      | ||||| || | | || |      | ||
Db      671 GAACGAACCTCATTGAGCCCTGTGTGCCGCAGCTATGGGAT-----AACTTCGC 718

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651
          |||| | || | || | | | ||||| || | ||

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; FILING DATE: 13-SEP-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A.
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: B94-002-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)343-4341
; TELEFAX: (415) 343-4342
; TELEX:
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3560 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1953
US-08-121-713D-59

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Query Match          2.5%; Score 78.6; DB 1; Length 3560;
Best Local Similarity 49.2%; Pred. No. 1e-10;
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

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Qy      612 ATGGAGGGAAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACAACCTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGCCCCATCCTGATG 731
      || | | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCTGGCTGCATCAT 791
      | | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
      | | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAACTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
      || || | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTCGCGCGTTGCCCGCGTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
      || | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
      | | | | | | | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCCCAGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
      || | | | | | | | | | | | | | | | | | |
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

```

Qy 1077 ACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
 | | | | | | | | | | | | | | | | | | | | | |
 Db 604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy 1137 GACATTGAACGTGTCTTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195
 | | | | | | | | | | | | | | | | | | | | | |
 Db 658 GACATTGCCGATACGTTTGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717

Qy 1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTG 1247
 | | | | | | | | | | | | | | | | | | | | | |
 Db 718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCCTGTCACAACGATTCTG 777

Qy 1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307
 | | | | | | | | | | | | | | | | | | | | | |
 Db 778 AGAGCGCTTCCGGATCCCACACTGAACCTTCATCAAACACATTTCGCTAATGGACGAGAAT 837

Qy 1308 GTGGTGG 1314
 | | | |
 Db 838 GTGCCGG 844

RESULT 13

US-08-835-268-59

; Sequence 59, Application US/08835268

; Patent No. 5807826

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/835,268

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)343-4341
; TELEFAX: (415) 343-4342
; TELEX:
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3560 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1953
US-08-835-268-59

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Query Match          2.5%; Score 78.6; DB 1; Length 3560;
Best Local Similarity 49.2%; Pred. No. 1e-10;
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

```

```

Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
      | | | ||| | | | ||||| | | | ||||| | | ||| |||
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCAAACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATG 731
      || | | | ||||| ||||| | | | | ||||| | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
      | | | | | ||| ||||| | | | | | | | | |
Db      256 -----TACCGGGAGCCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
      | | | ||||| | | | | | | | | ||||| ||||| |||
Db      304 GCACCGAACTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
      || ||| ||||| | | | | | | | ||||| || | |||||
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTCGCGCGTTGCCCGGCTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
      || | ||| ||||| | | | | | | | ||||| ||||| ||| ||
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
      | | | |||| | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCGCGGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
      || | ||| | | | | | | | | | | | ||||| ||||| ||
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAACTGATCTACGGAGTCTTC 603

Qy      1077 ACCTCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
      | | | | | | | | | | | | | | | ||||| ||||| ||
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTCGCCCTCCAG 657

Qy      1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195

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      ||||| | | ||| ||| | | ||| ||| || | || |||
Db      658 GACATTGCCGATACGTTTGGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717
Qy      1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTG 1247
      || | | || ||| | ||| | | ||| | | |
Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCCTGTCACAACGATTCG 777
Qy      1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307
      | | | ||| | |||| ||||| || |||| | ||||| ||| |
Db      778 AGAGCGCTCCGGATCCCACACTGAAC TTCATCAAAACACATTCGCTAATGGACGAGAAT 837
Qy      1308 GTGGTGG 1314
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Db      838 GTGCCGG 844

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RESULT 14

US-09-060-692-59

; Sequence 59, Application US/09060692

; Patent No. 5935865

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/060,692

; FILING DATE:

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; TELEX:

; INFORMATION FOR SEQ ID NO: 59:

; SEQUENCE CHARACTERISTICS:

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;   LENGTH: 3560 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;       NAME/KEY: CDS
;       LOCATION: 1..1953
US-09-060-692-59

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Query Match          2.5%;  Score 78.6;  DB 2;  Length 3560;
Best Local Similarity 49.2%;  Pred. No. 1e-10;
Matches 358;  Conservative 0;  Mismatches 324;  Indels 45;  Gaps 4;

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Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGT 671
          | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATG 731
          || | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
          | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
          | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAACTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
          || | | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTTCGCGCGTTGCCCGCTCTGC 423

Qy      912 AAGAAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
          || | | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGCGAGCTGCCCTTCAACGTCA-----TC 1016
          | | | | | | | | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCCCAGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCTTGCTCCCCGCGGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
          || | | | | | | | | | | | | | | | | | | |
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

Qy      1077 ACCTCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
          | | | | | | | | | | | | | | | | | | | |
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy      1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTG- 1195
          || | | | | | | | | | | | | | | | | | | |
Db      658 GACATTGCCGATACGTTTGAGGGTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717

Qy      1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTG 1247
          || | | | | | | | | | | | | | | | | | | |
Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCTGTCAACGATTTCG 777

```


QY 1248 GGCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307
 | | | | | | | | | | | | | | | | | | | | | |
 Db 778 AGAGCGCTTCCGGATCCCACACTGAACTTCATCAAAACACATTGCGTAATGGACGAGAAT 837
 QY 1308 GTGGTGG 1314
 | | | |
 Db 838 GTGCCGG 844

RESULT 15

US-08-833-391-59

; Sequence 59, Application US/08833391

; Patent No. 6013781

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/833,391

; FILING DATE:

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; TELEX:

; INFORMATION FOR SEQ ID NO: 59:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3560 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS
; LOCATION: 1..1953
US-08-833-391-59

Query Match 2.5%; Score 78.6; DB 3; Length 3560;
Best Local Similarity 49.2%; Pred. No. 1e-10;
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

```
Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACAACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATG 731
      | | | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAAGTGTATTCGGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
      | | | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
      | | | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAAGTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
      | | | | | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTTCGCGCGTTGCCCGCGTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
      | | | | | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
      | | | | | | | | | | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCCC GGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy     1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
      | | | | | | | | | | | | | | | | | | | | | |
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

Qy     1077 ACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
      | | | | | | | | | | | | | | | | | | | | | |
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy     1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195
      | | | | | | | | | | | | | | | | | | | | | |
Db      658 GACATTGCCGATACGTTTGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717

Qy     1196 -----GACTACTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTG 1247
      | | | | | | | | | | | | | | | | | | | | | |
Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCGGTTCTGTGCACAACGATTTCG 777

Qy     1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAA 1307
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Db      778 AGAGCGCTTCCGGATCCCACACTGAACTTCATCAAAACACATTGCTAATGGACGAGAAT 837

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Db ||| ||
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Search completed: May 13, 2004, 15:37:50
Job time : 222 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 09:44:40 ; Search time 1271 Seconds
(without alignments)
11221.942 Million cell updates/sec

Title: US-10-015-391A-276
Perfect score: 3143
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result %
Query

No.	Score	Match	Length	DB	ID	Description
1	3143	100.0	3143	10	US-09-946-374-276	Sequence 276, App
2	3143	100.0	3143	12	US-10-015-395A-276	Sequence 276, App
3	3143	100.0	3143	13	US-10-006-485A-276	Sequence 276, App
4	3143	100.0	3143	13	US-10-013-907A-276	Sequence 276, App
5	3143	100.0	3143	13	US-10-015-499A-276	Sequence 276, App
6	3143	100.0	3143	13	US-10-226-254A-276	Sequence 276, App
7	3143	100.0	3143	15	US-10-006-856A-276	Sequence 276, App
8	3143	100.0	3143	15	US-10-006-818A-276	Sequence 276, App
9	3143	100.0	3143	15	US-10-015-393A-276	Sequence 276, App
10	3143	100.0	3143	15	US-10-015-869A-276	Sequence 276, App
11	3143	100.0	3143	15	US-10-012-121A-276	Sequence 276, App
12	3143	100.0	3143	15	US-10-006-116A-276	Sequence 276, App
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14	3143	100.0	3143	15	US-10-017-527A-276	Sequence 276, App
15	3143	100.0	3143	15	US-10-013-913A-276	Sequence 276, App
16	3143	100.0	3143	15	US-10-007-194A-276	Sequence 276, App
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20	3143	100.0	3143	15	US-10-015-386A-276	Sequence 276, App
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43	3143	100.0	3143	15	US-10-012-752A-276	Sequence 276, App
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45	3143	100.0	3143	15	US-10-013-910A-276	Sequence 276, App

ALIGNMENTS

RESULT 1

US-09-946-374-276

; Sequence 276, Application US/09946374

; Publication No. US20030073129A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
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; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
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Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
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Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
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Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAAGTGACCACCT	960
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Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260

Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
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Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTGTTGTAGGCTTCT	1560
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Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
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Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
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Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
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Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
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Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
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Qy	2161	CTGTCAC TGTCTCTTTGCCTTAGTGC TTT CAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
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Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
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Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
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Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
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Db      2941  |||||
CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000

Qy      3001  CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
|||||

Db      3001  CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
|||||

Qy      3061  TCCCTTTTCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
|||||

Db      3061  TCCCTTTTCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
|||||

Qy      3121  TAAAAATATAAGGCTTAAAAAAA 3143
|||||

Db      3121  TAAAAATATAAGGCTTAAAAAAA 3143

```

RESULT 2

US-10-015-395A-276

; Sequence 276, Application US/10015395A

; Publication No. US20040073015A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C57

; CURRENT APPLICATION NUMBER: US/10/015,395A

; CURRENT FILING DATE: 2001-12-12

; Prior application removed - See file Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-395A-276

Query Match 100.0%; Score 3143; DB 12; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60
|||||

Db      1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60
|||||

Qy      61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

```

Db	61	 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAC TGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAC TGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960

Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Db	1081	CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800

Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640

Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 3

US-10-006-485A-276

; Sequence 276, Application US/10006485A

; Publication No. US20030064062A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C9
; CURRENT APPLICATION NUMBER: US/10/006,485A
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
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; PRIOR APPLICATION NUMBER: 60/099598
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; PRIOR FILING DATE: 1998-09-10
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; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
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; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
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; PRIOR APPLICATION NUMBER: 60/100627
; PRIOR FILING DATE: 1998-09-16
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; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100684
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100710
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: 60/100711
; PRIOR FILING DATE: 1998-09-17
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; PRIOR FILING DATE: 1998-09-18
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; PRIOR APPLICATION NUMBER: 60/101471
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101472
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101474
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; PRIOR APPLICATION NUMBER: 60/101476
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; PRIOR APPLICATION NUMBER: 60/101738
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; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101743
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101915
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/102207
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102240
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102307
; PRIOR FILING DATE: 1998-09-29

; PRIOR APPLICATION NUMBER: 60/102330
; PRIOR FILING DATE: 1998-09-29
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; PRIOR APPLICATION NUMBER: 60/102570
; PRIOR FILING DATE: 1998-09-30
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; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102684
; PRIOR FILING DATE: 1998-10-01
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; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/103258
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; PRIOR APPLICATION NUMBER: 60/103315
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; PRIOR APPLICATION NUMBER: 60/103328
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103395
; PRIOR FILING DATE: 1998-10-07
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; PRIOR FILING DATE: 1998-10-07
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 ; PRIOR APPLICATION NUMBER: 60/105881
 ; PRIOR FILING DATE: 1998-10-27
 ; PRIOR APPLICATION NUMBER: 60/105882
 ; PRIOR FILING DATE: 1998-10-27
 ; PRIOR APPLICATION NUMBER: 60/106023
 ; PRIOR FILING DATE: 1998-10-28

Query Match 100.0%; Score 3143; DB 13; Length 3143;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660

Db	601	 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCTTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	 CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500

Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCAAGGAATGCAGGACCTCTG	2340

Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 4

US-10-013-907A-276

; Sequence 276, Application US/10013907A

; Publication No. US20030064925A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C34

; CURRENT APPLICATION NUMBER: US/10/013,907A

; CURRENT FILING DATE: 2001-12-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-013-907A-276

Query Match 100.0%; Score 3143; DB 13; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300

Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200

Db	1141		TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201		CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCTCCTCTG	1260
Db	1201		CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCTCCTCTG	1260
Qy	1261		ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261		ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321		CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321		CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381		TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381		TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441		CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441		CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501		CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501		CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561		CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561		CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621		GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621		GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681		TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681		TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741		CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741		CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801		AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801		AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861		TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861		TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921		ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921		ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981		CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880

Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 5

US-10-015-499A-276

; Sequence 276, Application US/10015499A

; Publication No. US20030065142A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830PlC42

; CURRENT APPLICATION NUMBER: US/10/015,499A

; CURRENT FILING DATE: 2001-12-11

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-499A-276

Query Match	100.0%;	Score 3143;	DB 13;	Length 3143;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 3143;	Conservative	0;	Mismatches	0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840

Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740

Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC'TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAAC'TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTTCAAGAGACCCATAAAAAACCTGCCGTGTCCAGGACCCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTTCAAGAGACCCATAAAAAACCTGCCGTGTCCAGGACCCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCCTTGTGTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTAT	3120
Db	3061	TCCCTTTTCCCTTGTGTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 6

US-10-226-254A-276

; Sequence 276, Application US/10226254A

; Publication No. US20030224478A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

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; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C68
; CURRENT APPLICATION NUMBER: US/10/226,254A
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-226-254A-276
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Query Match          100.0%; Score 3143; DB 13; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
          |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
          |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180
          |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG 240
          |||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG 240
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Qy	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080

Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980

Db	1921		ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981		CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981		CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041		CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041		CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101		CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101		CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161		CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161		CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221		CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Db	2221		CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Qy	2281		AGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281		AGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341		CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341		CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401		CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401		CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461		TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461		TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521		TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521		TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581		TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581		TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641		TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCTC	2700
Db	2641		TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCTC	2700
Qy	2701		CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701		CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761		TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820

Db 2761 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG 2820
 Qy 2821 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC 2880
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 2821 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC 2880
 Qy 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940
 Qy 2941 CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG 3000
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 2941 CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG 3000
 Qy 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060
 Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
 Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143
 ||||||||||||||||
 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 7

US-10-006-856A-276

; Sequence 276, Application US/10006856A

; Publication No. US20030044841A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C14

; CURRENT APPLICATION NUMBER: US/10/006,856A

; CURRENT FILING DATE: 2002-05-10

; NUMBER OF SEQ ID NOS: 477

; Prior Application removed - See File Wrapper or Palm

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-006-856A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780

Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCAACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCAACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620

Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520

Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	 CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	 TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 8

US-10-006-818A-276

; Sequence 276, Application US/10006818A

; Publication No. US20030054406A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C4
; CURRENT APPLICATION NUMBER: US/10/006,818A
; CURRENT FILING DATE: 2001-12-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-006-818A-276

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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
        |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCTGCTGCTGC 180
        |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCTGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCCATGCCAGGGTCAGATACTATG 240
        |||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
        |||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
        |||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
        |||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC 480
        |||

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Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160

Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060

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Db          3001  |||||CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
Qy          3061  TCCCTTTTCCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Db          3061  |||||TCCCTTTTCCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Qy          3121  TAAAAATATAAGGCTTAAAAAAA 3143
Db          3121  |||||TAAAAATATAAGGCTTAAAAAAA 3143

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RESULT 9

US-10-015-393A-276

; Sequence 276, Application US/10015393A

; Publication No. US20030069179A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C46

; CURRENT APPLICATION NUMBER: US/10/015,393A

; CURRENT FILING DATE: 2002-06-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-393A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
Db          1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
Qy          61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
Db          61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
Qy          121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180

```

Db	121	 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGGCACCTTCG	540
Db	481	 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	 AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCGAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020

Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700

Qy	2701	CAGAAACACAGTGTTC	CAAGAGACCCTAAAA	ACCTGCCTGTCCCAGG	ACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTC	CAAGAGACCCTAAAA	ACCTGCCTGTCCCAGG	ACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCT	AAACAATCATATGCT	AACATGCCACTCCTGG	AAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCT	AAACAATCATATGCT	AACATGCCACTCCTGG	AAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGG	ACACCAACACTCCCT	TCTCCCAGGGTCATGC	AGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGG	ACACCAACACTCCCT	TCTCCCAGGGTCATGC	AGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACC	AGTCGTGCACCGCTG	ACTCCCAGGAAGTCTT	TCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACC	AGTCGTGCACCGCTG	ACTCCCAGGAAGTCTT	TCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTG	CTTCAGTTGGGGCAG	ACTCTGATCCCTTCTG	CCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTG	CTTCAGTTGGGGCAG	ACTCTGATCCCTTCTG	CCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAG	CCTTCTTCACTCCTT	TACCCTAGCTGACCC	CTTACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAG	CCTTCTTCACTCCTT	TACCCTAGCTGACCC	CTTACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGT	TTTGGGATTTCAGAAA	ACTGCTTGTTCAGAG	ACTGTTTATTTTTT	3120
Db	3061	TCCCTTTTCCTTTGT	TTTGGGATTTCAGAAA	ACTGCTTGTTCAGAG	ACTGTTTATTTTTT	3120
Qy	3121	TAAAAATATAAGGCT	TAAAAAAA			3143
Db	3121	TAAAAATATAAGGCT	TAAAAAAA			3143

RESULT 10

US-10-015-869A-276

; Sequence 276, Application US/10015869A

; Publication No. US20030073130A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C45

; CURRENT APPLICATION NUMBER: US/10/015,869A

; CURRENT FILING DATE: 2002-06-25

; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-869A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720

Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	 CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560

Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400

Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 11

US-10-012-121A-276

; Sequence 276, Application US/10012121A

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; Publication No. US20030073810A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C20
; CURRENT APPLICATION NUMBER: US/10/012,121A
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-121A-276

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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

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Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260

Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100

Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Qy 2941 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000
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 Db 2941 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000
 Qy 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060
 |||||
 Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060
 Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
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 Db 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
 Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143
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 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 12

US-10-006-116A-276

; Sequence 276, Application US/10006116A

; Publication No. US2003008262A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C15

; CURRENT APPLICATION NUMBER: US/10/006,116A

; CURRENT FILING DATE: 2001-12-16

; PRIOR APPLICATION NUMBER: 60/098716

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098723

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098749

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098750

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098803

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/098821

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/098843

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/099536

; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099602
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099642
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099741
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099754
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099763
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099792
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099808
; PRIOR FILING DATE: 1998-09-10
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; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099815
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100385
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100388
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100390
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100584
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; PRIOR APPLICATION NUMBER: 60/100627
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; PRIOR FILING DATE: 1998-09-17
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; PRIOR APPLICATION NUMBER: 60/101068
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; PRIOR APPLICATION NUMBER: 60/101279
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; PRIOR APPLICATION NUMBER: 60/101472
; PRIOR FILING DATE: 1998-09-23
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; PRIOR APPLICATION NUMBER: 60/101475
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101476
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; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101479
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101743
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101915
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/102207
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102240
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102307
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102330
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102331
; PRIOR FILING DATE: 1998-09-29
; PRIOR APPLICATION NUMBER: 60/102484
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102487
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102570
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102571
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102684
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102687
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 60/102965
; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/103258

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; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/103314
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 60/103315
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; PRIOR FILING DATE: 1998-10-06
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; PRIOR FILING DATE: 1998-10-08
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; PRIOR APPLICATION NUMBER: 60/104257
; PRIOR FILING DATE: 1998-10-14
; PRIOR APPLICATION NUMBER: 60/104987
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105000
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105002
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

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Query Match          100.0%;  Score 3143;  DB 15;  Length 3143;
Best Local Similarity 100.0%;  Pred. No. 0;
Matches 3143;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
          |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

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Qy	61	ATCCCCAGGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAAGTCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAAGTCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAAGTCTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAAGTCTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800

Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640

Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
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Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 13

US-10-006-117A-276

; Sequence 276, Application US/10006117A

; Publication No. US20030082627A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan I.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

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; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C13
; CURRENT APPLICATION NUMBER: US/10/006,117A
; CURRENT FILING DATE: 2002-03-19
; Prior Application removed - See File Wrapper or Palm
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-006-117A-276
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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
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Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
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Db    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
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Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG 600
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440

Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280

Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143

Db |||||
3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 14

US-10-017-527A-276

; Sequence 276, Application US/10017527A

; Publication No. US20030082628A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C63

; CURRENT APPLICATION NUMBER: US/10/017,527A

; CURRENT FILING DATE: 2001-12-13

; PRIOR APPLICATION NUMBER: 60/098716

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098723

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098749

; PRIOR FILING DATE: 1998-09-01

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; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098803

; PRIOR FILING DATE: 1998-09-02

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; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/099536

; PRIOR FILING DATE: 1998-09-09

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; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: 60/099741

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: 60/099754

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: 60/099763

; PRIOR FILING DATE: 1998-09-10
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; PRIOR FILING DATE: 1998-09-10
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; PRIOR APPLICATION NUMBER: 60/103633
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; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180
        |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGGAGGGGCCCATGCCCAGGGTCAGATACTATG 240
        |||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGGAGGGGCCCATGCCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

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Db	241	 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTGCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTGCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140

Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980

Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTAGGCAGTGGAGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTAGGCAGTGGAGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820

QY	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
QY	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTCTCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTCTCTGAAGTCTGA	2940
QY	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
QY	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
QY	3061	TCCCTTTTCTTTGTTTTGGGATTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCTTTGTTTTGGGATTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
QY	3121	TAAAAATATAAGGCTTAAAAAAA	3143
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RESULT 15

US-10-013-913A-276

; Sequence 276, Application US/10013913A

; Publication No. US20030083462A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C40

; CURRENT APPLICATION NUMBER: US/10/013,913A

; CURRENT FILING DATE: 2002-07-15

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-013-913A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
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Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
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Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
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Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGCTTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600
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Db    541 CCTTCAGCCCTGCTTGCTTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG 660
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG 660

Qy    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720

Qy    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780

Qy    781 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT 840
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Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Db	1081	 CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAAGTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	 CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAAGTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680

Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520

Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

Search completed: May 13, 2004, 22:44:40
Job time : 1283 secs